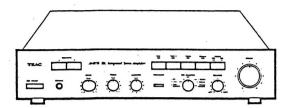
TEAC



SERVICE MANUAL

A-X55

DC Integrated Stereo Amplifier

NOTES

- 1. In this manual, 0 dB is referenced to 1V.
- 2. A Parts marked with this sign are safety critical components. They must always be replaced with identical components refer to the appropriate parts list and ensure exact replacements.
- 3. PC boards shown are viewed from foil side.

1 SPECIFICATIONS

Type DC Integrated Stereo Amplifier

Rated Output Power

(Both Channels, 8 ohms)

60W + 60W (1kHz, 0.03% T.H.D.)

55W + 55W (20Hz ~ 20kHz, 0.05% T.H.D.)

Total Harmonic Distortion

0.05% (20Hz ~ 20kHz, at 55W + 55W Output Power)

Output Bandwidth

IHF, -3dB, 10Hz ~ 50KHz

Frequency Response

TUNER, CD/AUX, TAPE 1, 2, to SP out 5Hz, 40kHz +0, -3dB

PHONO to REC OUT, 20Hz~20kHz±0.5dB (RIAA)

Input Sensitivity

PHONO MC 0.24uV/100 ohms

PHONO MM 2.7mV/47K ohms

TUNER, CD/AUX, TAPE 1, 2, 150mV/47k ohms

Rated Output Voltage/Impedance

TAPE REC 1, 2, 150mV/47k ohms

Signal-to-Noise Ratio

(IHF A Network, short circuit)

PHONO MC 65dB

PHONO MM 75dB

TUNER, CD/AUX, TAPE 1, 2, 94dB

Tone Control

Bass $\pm 12dB$, 100Hz

Treble ±12dB, 10kHz

High Filter 10kHz, -6dB

Power Requirements

100/120/220/240 V AC 50/60 Hz, 240W (General Export Model)

220V AC 50Hz, 220W (Europe Model)

240V AC 50Hz, 240W (U.K./AUS. Model)

Dimensions (W×H×D)

435 × 80 × 295mm (171/8" × 33/16" × 115/8")

Weight 7.6kg (16.72 lbs) net

 Improvements may result in specification or feature changes without notice.

2 ADJUSTMENT LOCATION

1-1 DC BALANCE CHECK

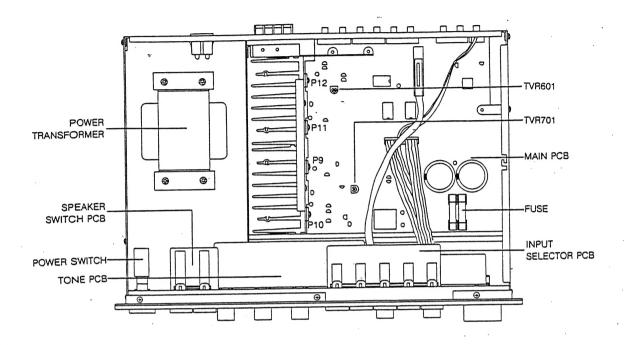
- 1. Connect the DC voltmeter to SPEAKERS A terminal.
- 2. Depress POWER switch to ON.
- 3. Confirm the DC voltmeter indication within 0 V \pm 20mV.

1-2 IDLING CURRENT CHECK

- 1. Connect the DC voltmeter between P9 to P10 and P11 to P12.
- Confirm the DC voltmeter indication within 15mV when POWER is ON after 10 seconds.
- If the DC voltmeter indicates over 25mV adjust the TVR601 for LEFT channel or adjust the TVR701 for RIGHT channel on the MAIN PCB.
- 4. After the above procedures, allow 10 minites for the amplifier to warm up completely.

1-3 REALY OPERATION CHECK

- 1. Apply 1kHz/150mV (-16.5dB) to the CD/AUX terminal.
- Adjust the VOLUME control so that output voltage is 10V at the SPEAKER terminal.
- 3. Shortcircuit the SPEAKER terminals between + and so that the relay RY1 break immediately.

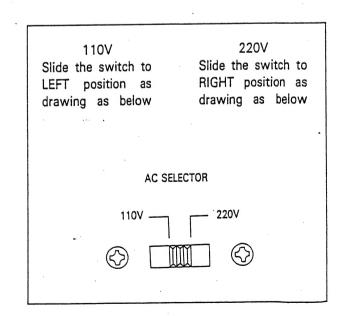


3 VOLTAGE CONVERSION

(FOR GENERAL EXPORT MODELS ONLY)

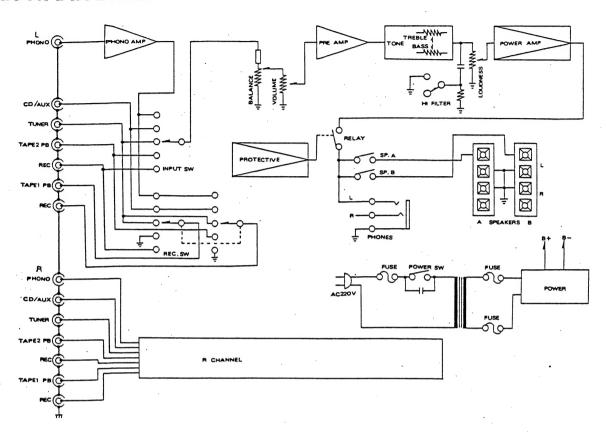
AC VOLTAGE SELECTION

This unit operates on 110 volts or 220 volts AC. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

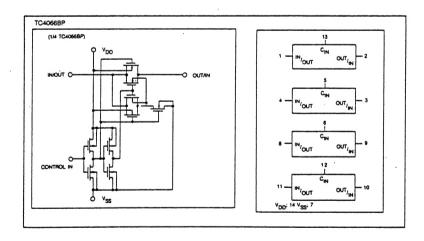


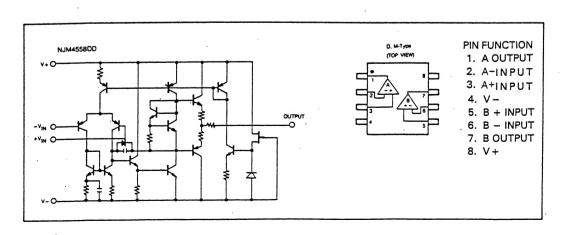
13

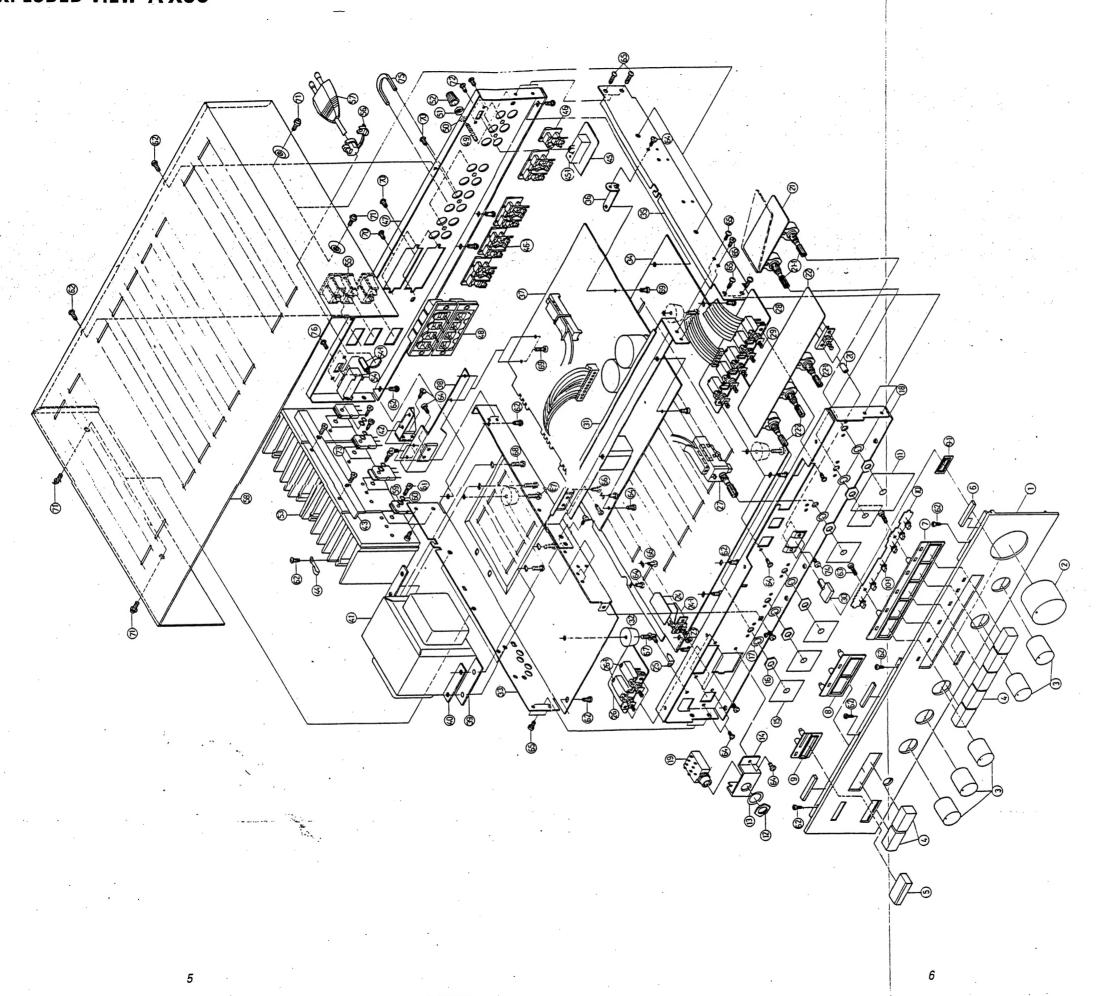
4 BLOCK DIAGRAM



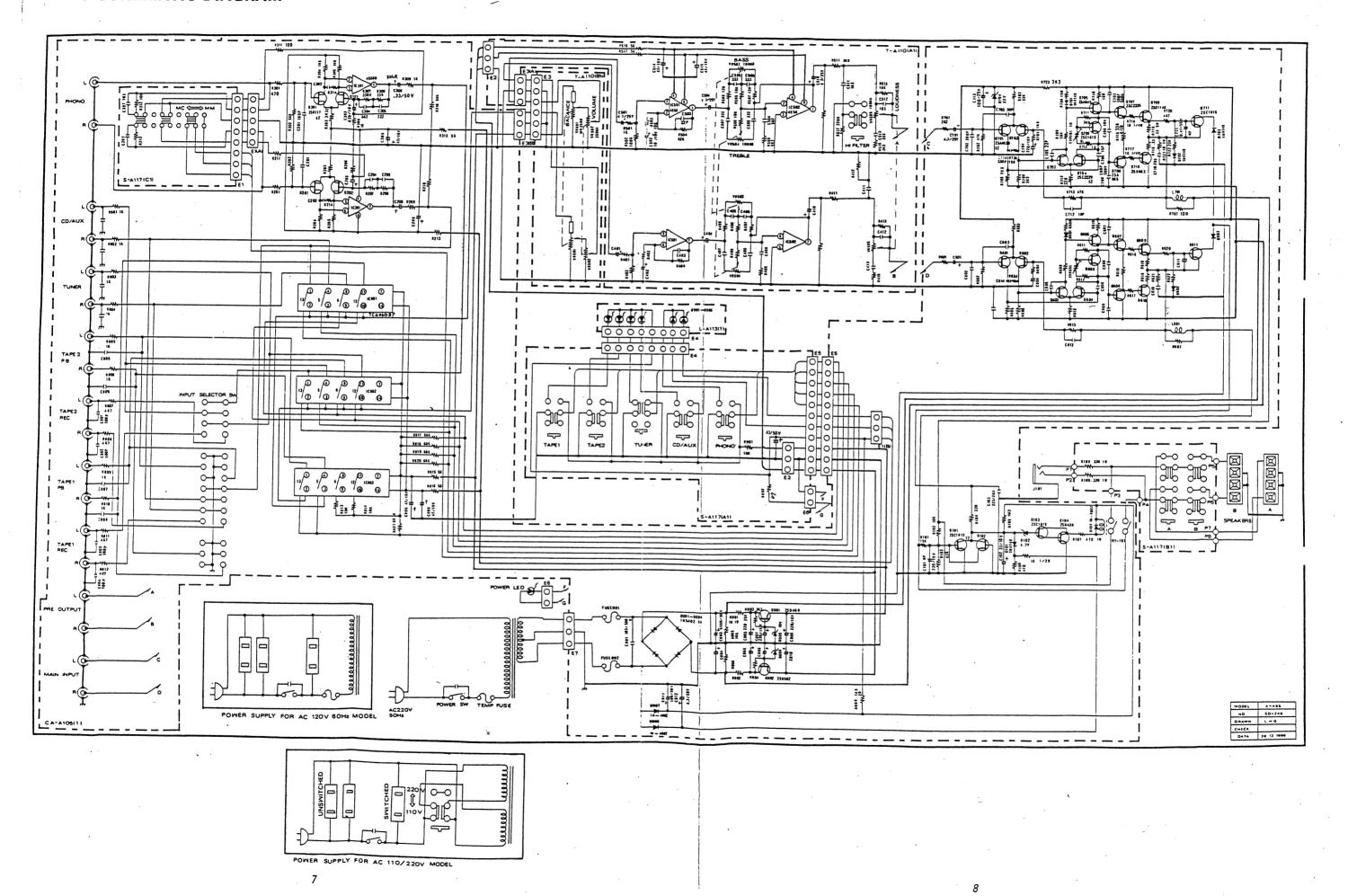
5 IC BLOCK DIAGRAM







7 SCHEMATIC DIAGRAM



8 EXPLODED VIEW AND PARTS LIST

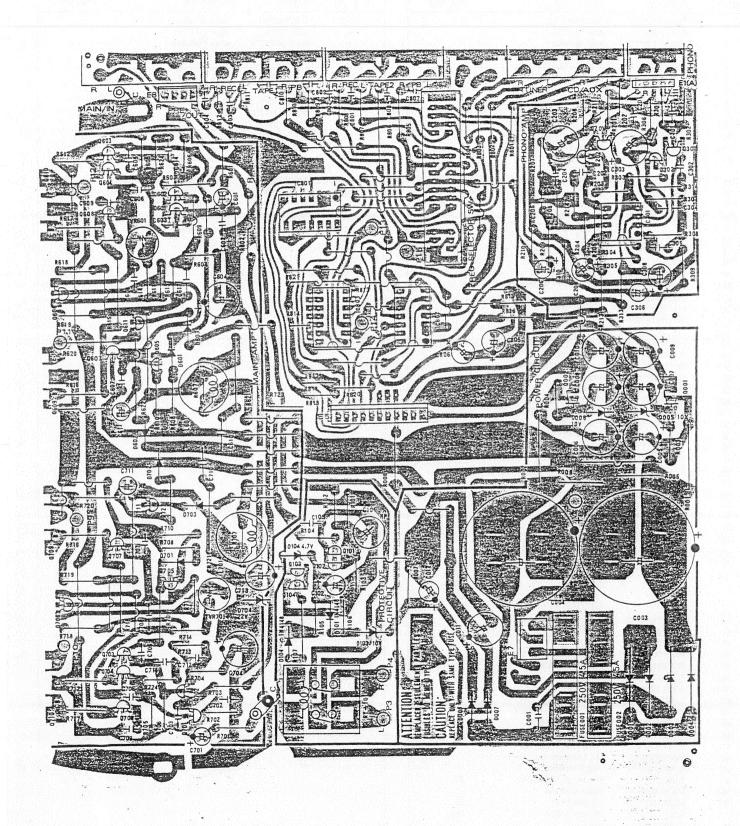
EXPLODED VIEW

1. PNLALDISSTSS	REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
3.	1			
Mail			***************************************	
S. KURSYO1678** 8				
8. RIBADO0801908 ** 9	1			
7. GSKKB01988**9 Masher for Push Knob A-198 S. GSKKB01988**1 Masher for Push Knob A-198 S. GSKKB01988**7 Washer for Push Knob A-194 Washer for Push Knob A-194 Washer for Push Knob A-194 Washer for Push Knob A-195 DEC 11. C105005005*7 Indication LED 2x9 Green Indication	1			
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9. GSXX(80)1981**5 9-1. GSXX80)1958**7 10. PGBL*Oal 13a16 10-1. LED050020GS*7 11. CLT0500508*6 11. CLT0500508*7 11. CLT0500508*7 12. Washer 10 Push Knob A-195 12. Washer 12.10 13. CLT02802825*2 14. CLT02802825*2 15. CLT02802825*2 16. CLT02802825*2 17. CLT02802825*2 18. CHAC*0907X554 19. EIKHL230603P3 19. EIKHL230603P3 19. EIKHL230603P3 19. EIKHL230603P3 10. STNA*0213*3*8 12. PGB**10A110824 12.1. RV9100K18A21*1 12. FV810K18A21*1 12. FV810K18A21*1 12. FV810K18A21*1 12. PV81TOK18A21*1 1				•
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14. CHAC*0495CA20	12.		Nut M12	i
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19. EJKHL230603P3 20. STNA**0213**** 8 Plastic Port A-213 21. PCST**0A110824 PCST**A-213 21. RV180CK18A211 VR 250KA x 2x 25 K162800218 VR 170K10K18A211 VR 250KA x 2x 25 K162800218 VR 170K10K25A726 VR 100KA x 2x 25 K162800218 VR 100K3 x 2x 25 K16280046 PCB T-A110IA21 PCB T-A110IA	1	CUA C20007VEE4		
20. STNA*0213***8 Plastic Post A-213 21. PCB**CA110824 PCB T-A110B21 21.1. RVN100K18A211 21.2. RVN250K25MC20 22. PCBT**OA110A24 PCB T-A110B21 22.1. RVN100K25A2126 VR MX250K x x x 25 K162A0A046 22.1. RVN100K25B272 VR 100KA x 2 x 25 K162A0A046 22.2. RVN100K25B272 VR 100KA x 2 x 25 K162A0A046 22.2. RVN100K25B272 VR 100KA x 2 x 25 K162A0B311 23. FBW04010010**9 24. PCB**OA517A**2 PCB**-A1170A21 24.1. PWSESB213**1 25. SDY\$4030***1 26. PCB**OA117824 PCB S-A1170A21 26. PCB**OA117824 PCB S-A1170A21 27. PLSESA23328*1 28. PCS**OA117824 PCB S-A1170A21 29. PKSUSF1816186 SO KKBPE71CE11 29. PKSUSF1816186 SO KKBPE71CE11 30. KNBRT00928**0 Push Switch SPUF51AE18 30. KNBRT00928**0 Push Switch SPUF51AE18 31. CHAC**0577BA26 Aux Holder C-577 32. FTP***0018***1 33. CHAC**048CA213 Hch Chassis C-487 34. CHAC**048CA25 Bottom Chassis C-487 35. CHAC**05876GA24 Heat Sink Holder C-578 36. CHAC**05876GA24 Heat Sink Holder C-578 37. PCBCA0A105**24 Main PCB C-A-105(2) 38. CHAC**05876GA24 Heat Sink Holder C-578 39. CHAC**0498CA25 So Transformer Holder C-578 41. CHAC**05806A26 Transformer Holder C-578 42. CHAC**05876GA24 Heat Sink Holder C-578 43. CHAC**0498CA25 Heat Sink Holder C-578 44. CP**0000**1*1 Heat Sink Holder C-578 45. PCBS*0A117C24 PCB S-A117(2) 46. PCB*0A117C24 PCB S-A117(2) 47. CHAC*0008X556 PCB PCB S-MCB PCB P	1			
21. PCBT*0A110B24 21.1. RVP1SOKSEMC20 21. RVP1SOKSEMC20 22. PCBT*0A110A24 22.1. RVP1SOKSEMC20 22. PCBT*0A110A24 22.1. RVP1SOKSES27 23. FBW04010010*9* 24. PCBS*0A5174*2 24.1. PWSESB8213**1 25. SDV54030***1 26. PCBS*0A117B24 26-1. PHSSUF51AE186 27. PLSSEA23328*1 28. PCSS*0A117B24 29. PHSSUF51AE186 29. PHSSUF51AE186 20. KNBRT0028*2**0 30. KNBRT0028**0**0 31. CHAC*0487CA21 33. CHAC*0488CA25 35. CHAC*0586A23 36. CHAC*0586A23 37. PCBCA0A105*24 38. CHAC*0586A23 39. CHAC*0576A24 40. CHAC*0576A24 41. CHAC*0576CA24 42. CHAC*0576CA24 43. CHAC*0576CA24 44. CLP*0000***1 45. PCBS*0A117C24 45.1. SLSPO62BCPA63 46. RCKYK00080290 46-1. RCKYK00080290 46-1. RCKYK00080290 46-1. RCKYK00080290 46-1. RCKYK00080290 47. CHAC*069SK56B 48. SPKPT010ALY*4 49. SCECOMOSA** 49. SCECOMOSA**56 49. SCECOMOSA**56 49. SCECOMOSA**56 49. SCECOMOSA**56 40. CHAC*0494CA29 41. CHAC*069SCA25 42. CHAC*0494CA29 43. CHAC*0496CA25 44. CLP**0000***1 45. PCBS*0A117C24 45.1. SLSPO62BCPA63 46. RCKYK00080290 46-1. RCKYK00080290 47. CHAC*0496CA25 48. SPCP10IALY*4 49. SCECOMOSA*** 59. SCECOMOSA** 59. CLPB** 50. SLESSA26142* 51. BLISSW303068** 52. CLBCO** 53. RAPH** 54. CLBC** 55. ACLRT001*** 56. CLPB** 57. AC CGC SS FA CBC CGC CGC CGC CGC CGC CGC CGC CGC CGC				•
21-1. RVR100K18AZ11 VR 250K4 x 2 x 2 S K162800218 21-2. PCBT*0A110A24 PCB T-A110IA2 22-1. RVR100K25AT26 VR 100K4 x 2 x 2 S R10ZA0B245 22-2. RVR100K25BEZ7 VR 100K4 x 2 x 2 S R0ZA0B215 22-2. RVR100K25BEZ7 VR 100K4 x 2 x 2 S R0ZA0B311 23. FEW04010010*9 24. PCBS*0A517A*2 PCB S-A517A 24-1. PVSSSB8Z13**1 25. SDY\$4030***1 26. PCBS*0A117824 PCB S-A117821 26. PCBS*0A117824 PCB S-A117821 27. FLSESA23326*1 Remote Switch SPUF21CE11 28. PCS*0A117A24 PCB S-A117822 29. PHSSUF51AE186 30. KNBRT00928**0 Push Switch SPUF51AE18 30. KNBRT00928**0 Push Switch SPUF51AE18 31. CHAC*05776AZ8 Push Switch SPUF51AE18 32. FFP*0018***1 Foot Cushion 180 x 10m/m 33. CHAC*049CAZ5 Bettom Chassis C-487 34. CHAC*049CAZ5 Bettom Chassis C-487 35. CHACR048CAZ1 Ight Chassis C-487 36. CHAC*0576CAZ4 Heat Sink Holder C-578 37. PCBCA0A105*24 Main PCB CA-A105i(2) 38. CHAC*049GAZ6 Teg Remote Main PCB CA-A105i(2) 39. CHAC*049GAZ6 Teg Remote Main PCB CA-A105i(2) 40. CHAC*049CAZ5 Transformer Holder C-579 41. Transformer EUR UK Transformer CND CND CTANSFORMER C-498 42. CHAC*049CAZ9 Heat Sink Holder C-578 44. CLP*0000**1 Weld 3.20 45. PCBS*0A117C24 Heat Sink Holder C-594 45. PCBS*0A117C24 PCB S-A117IC21 45.1 SLSP062BCPA63 Side Switch P062BCC-PA6 46.1 RCKYK000904P2 AP RCA Jack KC21-009 47. CHAC*098K556 Rear Panel C-909 48. SPKPT0104LY*4 Speaker Terminal PT-104L-Y Speaker Te	1			
21-2. RVR250K25MC20 22. PCBT*0A110A24 PCB T-A110IA21 22-1. RVR100K25B27 22-2. RVR100K25B27 23. FBW04010010*9 24. PCBS*0A517A*2 24-1. PWSESB213**1 25. SV540303***1 26. PCBS*0A17R24 26-1. PHSSUF51AE186 27. FLSSS233S*1 28. PCS*0A17R24 29. PHSSUF51AE186 29. RVRSWESS23S*1 29. PHSSUF51AE186 30. KMBRT00928*0 31. CHAC*057F6A26 31. CHAC*057F6A26 32. CHAC*0489CA25 35. CHACRAGA8CA21 36. CHAC*0584GA23 37. PCBCA0A105*24 38. CHAC*058GA26 40. CHAC*0575CA24 41. CHAC*0575CA24 42. CHAC*048GCA25 44. CLP**0000**1 42. CHAC*057SCA29 45. RCKYK00080290 47. CHAC*0508CA26 48. RCKYK00080290 47. CHAC*0508CA26 48. RCKYK00080290 47. CHAC*0090K556 48. RCKYK0008090 49. RCMS REMEDIAN REMEDIANCE 49. RCKYK00080290 47. CHAC*003053*CF 48. RCKYK00080290 47. CHAC*003053*CF 48. RCKYK00080290 47. CHAC*0030F356 48. SFRF01041**4 49. SCE0M0503*CF 50. SLSESA26142*4 51. BLSESA26142*4 52. CLDESO00008*5 53. RAPH*0043***3 54. SLSPO62BCPA63 55. CLPB*0000***1 56. CLPB*0007***5 57. AC Cord SF 6500 AC Cord SF 6500 EUR UK AC CORD SF 1616 CAC CORD SF 1616 CAC CORD SF 1619 CAC CORD SF 1640 SAUS CAC CORD SF 1650 CAC CORD SF				
22-1. RVR100K25AT26 22-2. RVR100K25BE27 23. FEW0d010010*9 24. PCBS*0AS17A*2 24-1. PWSES8213***1 25. SVS4030****1 26. PCBS*0A117B24 26-1. PHSSUF51AE186 27. FL9SS232S*1 28. PEGS*0A117B24 29. PRSSUF51AE186 29. PRSSUF51AE186 30. KNBRT00928**0 31. CHAC*057F8A26 32. FFF**0018***1 33. CHAC*0487CA21 34. CHAC*0487CA21 35. CHAC*0487CA21 36. CHAC*0584GA23 37. PCBCA0A105*24 38. CHAC*0584GA23 37. PCBCA0A105*24 38. CHAC*0584GA23 40. CHAC*057F6A24 41. CHAC*057F6A24 42. CHAC*0487CA25 43. CHAC*0586GA26 44. CLP**0000***1 42. CHAC*0487CA25 45. SLSP062BCPA63 46. RCKYK00080290 47. CHAC*0048SCA26 48. SPKPT01041*4 49. SCE0M0503*CEF 50. SLSESA2812*4 51. RCKYK00080290 47. CHAC*0098S556 48. SPKPT01041*4 49. SCE0M0503*CEF 50. SLSESA28142*4 51. RCKYK00080290 47. CHAC*0908S556 48. SPKPT01041*4 49. SCE0M0503*CEF 50. SLSESA28142*4 51. RCKYK00080290 47. CHAC*0908S556 48. SPKPT01041*4 49. SCE0M0503*CEF 50. SLSESA28142*4 51. RCKYK00080290 47. CHAC*0908S556 48. SPKPT01041*4 49. SCE0M0503*CEF 50. SLSESA28142*4 51. RCKYK00080290 47. CHAC*093FCA56 48. SPKPT01041*4 49. SCE0M0503*CEF 50. SLSESA28142*4 51. RCKYK00080290 47. CHAC*093FCA56 48. SPKPT01041*4 49. SCE0M0503*CEF 50. SLSESA28142*4 51. RCKYK00080290 47. CHAC*093FCA56 48. SPKPT01041*4 49. SCE0M0503*CEF 50. SLSESA28142*4 51. RCKYK00080290 47. CHAC*093FCA56 48. SKPFT01041*4 49. SCE0M0503*CEF 50. SLSESA28142*4 51. RCKYK00080290 47. CHAC*049FCA56 48. SLSP062BCPA63 49. SCEOM0503*CEF 50. SLSESA28142*4 51. RCKYK00080290 47. CHAC*098FS56 48. SLSP062BCPA63 59. REMO*CHAC*049FCA50 59. SLSESA28142*0 50. SLSESA28142*4 51. SLSP062BCPA63 53. RAPH*0043***3 54. SLSP062BCPA63 55. CLBT050007***5 56. CLPB*0007***5 57. AC Cord SFF-2AWG 18× 2C			VR MN250K x 2 x 25 K162A0A046	
22-2. RVR100K25BE27 23. FFBW04010010*9 24. PCBS*0A517A*2 24-1. PWSESB8213**1 25. SDY\$4030***1 26. PCBS*0A117B24 26-1. PHSSUF51AE186 27. PLSESA23328*1 28. PCSS*0A117B24 29. PHSSUF51AE186 29. PHSSUF51AE186 30. KNBRT00928**0 31. CHAC*0577BA26 32. FFP**0018***1 33. CHAC*0577BA26 34. CHAC*0548CA27 35. CHACR048BCA27 36. CHAC*0548CA27 37. PCBCA0A105*24 38. CHAC*05786A26 39. CHAC*05786A26 39. CHAC*0576CA24 40. CHAC*0575CA29 41. Transformer LUR 42. CHAC*048CA26 44. CLP**0000***1 45. PCBS*0A117C24 45-1. SLSP062BCPA63 46. RCKYK00080290 46-1. RCKYK00080290 47. CHAC*0908X556 48. SPKPT0104LY*4 49. SCE0M0503**CE7 50. SLSESA26142**4 51. BLSSW32056F9 52. LED0500200RS* 53. RAPH**0043***3 54. SLSP062BCPA63 55. CLPB**0007***1 56. CLPB**0007***1 57. AC Cord SP 5-2A9 58. CHAC*0490CA21 59. Bushing B-7 AC Cord SP 5-2A90 AC Cord SP 7-2AWG 18 x 2C PCBAG0CA21 59. Bushing B-7 AC Cord SP 7-2AWG 18 x 2C PCBAG0CA21 59. FBW04010010*9 Insulation Washer 3.20 Insu	22.	PCBT*0A110A24 .	PCB T-A110(A2)	
23. FBW04010010*9 24. PCBS*0A517A*2 24-1. PWSESB213**1 25. SDY54030***1 26. PCBS*0A117824 26-1. PHSUF1AE186 27. PLSEX23328*1 28. PPGS*0A117824 29. PHSUF1AE186 30. KNBRT0092B**0 31. CHAC*0578A25 32. FFF**0018**1 33. CHAC*0487CA21 34. CHAC*0487CA21 35. CHACR0488CA21 36. CHAC*0486A23 37. PCBCA0A105*24 38. CHAC*0576A26 40. CHAC*0576A26 40. CHAC*0576CA29 41. 42. CHAC*049CA29 43. CHAC*049CA29 44. CLP**0000**1 45. PCBS*0A117C24 45. PCBS*0A117C24 45. RCKYK00090492 47. CHAC*049CA29 48. SKPPT01041**4 49. SCE0M0503*CE7 50. SLESSA26142*4 51. BLTSW030368*9 52. LED0S020085* 53. RAPH*0043**3 54. SLEP062CPA63 55. ACLRT0043**3 56. CLP8*0007***5 57. ACC Tod SPT-2AWG 18× 2C PCB*0007***5 56. CLP8*0007***5 57. AC COd SPT-2AWG 18× 2C PCB*0007***5 58. CHAC*049CA10010*9 58. CHAC*049C	22-1.	RVR100K25AT26	VR 100KA × 2 × 25 RKDA 20B 225	
24. PCBS*0A517A*2 24-1. PWSES8213**1 25. SUV5A030****1 26. PCBS*0A117824 26-1. PKSSUF51AE186 27. RJSESA23326*1 28. PBCS*0A117A24 29. PHSSUF51AE186 30. KNBRT0092B**0 31. CHAC*0577BA26 31. CHAC*0577BA26 32. FFP**0018***1 33. CHAC*0487CA21 34. CHAC*0487CA21 35. CHAC*0488CA21 36. CHAC*0488CA21 37. PCBCA0106*24 38. CHAC*054860A23 37. PCBCA0106*24 38. CHAC*0576GA24 39. CHAC*0576GA24 40. CHAC*0575CA29 41. CHAC*0575CA29 41. CHAC*0576CA24 42. CHAC*0576CA24 43. CHAC*0576CA24 44. CLP**0000***1 45. PCBS*0A117C24 45. RCKYK00080290 46.1. RCKYK00080290 47. CHAC*0498CA25 48. RCKYK00080290 48. RCKYK00080290 49. PCBS-A117(C24 45.1. SLSP062BCPA63 48. RCKYK00080290 49. PCBS-A117(C24 45.1. SLSP062BCPA63 48. RCKYK00080290 49. PCBS-A117(C24 45.1. SLSP062BCPA63 45. RCKYK00080290 46.1. RCKYK00080290 47. CHAC*0908X556 48. RCKYK00080290 59. SLSESA26142*4 51. BLTSW303066*9 52. LEDOS0020RS* 53. RAPH*0043***3 54. SLSP062BCPA63 54. SLSP062BCPA63 54. SLSP062BCPA63 55. CLPB*0007***5 56. CLPB*0007***5 57. ACC*049CA20 ACC*049RCA20 Bushing B-7 ACC*049CA21 ACC*049CA21 Bushing B-7 ACC*049CA20 Bushing B-7 ACC*049CA21 Bushing B-7 ACC*049CA20 Bushing B-7 Bushing B-7 Bushing B-7 Bushing B-7 Bushing B-7 Bu	22-2.	RVR100K25BE27		
24-1. PWSES8213**1 25. SDY54030***1 26. PCBS*OA117824 26-1. PHSSUF51AE186 27. R_SESA23326*1 28. PBCS*OA117A24 29. PHSSUF51AE186 30. KNBRT00928**0 31. CHAC*05778A26 31. CHAC*05778A26 32. FTP**0018***1 33. CHAC*0487CA21 34. CHAC*0487CA21 35. CHAC*0489CA23 36. CHAC*0486A23 37. PCBCAA0105*24 38. CHAC*05646A23 39. CHAC*0576A24 31. CHAC*0576A26 31. CHAC*0576A26 32. FTP**0018***1 33. CHAC*0489CA21 34. Wholder C-577 32. FTP**0018***1 33. CHAC*0489CA21 34. CHAC*0576A24 35. CHAC*0548CA23 36. CHAC*05846A23 37. PCBCAA0105*24 38. CHAC*0576GA24 39. CHAC*0576GA24 39. CHAC*0576GA24 31. CHAC*0576GA24 31. CHAC*0576GA24 32. CHAC*0576GA24 33. CHAC*0576GA24 34. CHAC*0576GA24 35. CHAC*0576GA26 36. CHAC*0576GA26 37. PCBCAA0105*24 38. CHAC*0576GA26 39. CHAC*0576GA26 30. CHAC*0576GA26 31. CHAC*0576GA26 32. CHAC*0576GA26 33. CHAC*0576GA26 34. CHAC*0576GA26 35. CHAC*0576GA26 36. CHAC*0576GA26 37. PCBCAA0105*24 38. CHAC*0576GA26 39. CHAC*0576GA26 40. CHAC*0576GA26 41. CHAC*0576GA26 42. CHAC*0576GA26 43. CHAC*0576GA26 44. CLP*0000**1 45. SLSP062BCPA63 46. RCKYK00080290 47. CHAC*098X556 48. RCKYK000904P2 47. CHAC*0908X556 48. SKPCPT0104Y*4 49. SCEOM0503*0CF7 50. SLSESA26142*4 51. BLTSW303068*9 52. LED05002008** 53. RAPH*0043**3 54. SLSP062BCPA63 55. ACRT0043**3 56. CLP8*0007***5 57. ACRT0043**3 58. CHAC*049CA21 59. SUBBS 6500 EUR UK ACC*048 6500 EUR UK CHAC*049CA21 ACC*048F650 EUR UK CHAC*049CA21 EUR UK CHAC*049C				
25. SDY54030***1 26. PCBS*0A117824 26-1. PHSSUF1AE186 27. PLSESA23326*1 28. PBCS*0A117A24 29. PHSSUF51AE186 30. KNBRT00928**0 31. CHAC*05776A26 31. CHAC*05776A26 32. FFP**0018***1 33. CHAC*0487CA21 34. CHAC*0487CA21 35. CHAC*0488CA21 36. CHAC*0488CA21 37. PCBCA0A10**24 38. CHAC*05496A26 39. CHAC*05496A26 30. CHAC*0576A24 40. CHAC*0576A24 41. CHAC*0576A24 42. CHAC*0576A24 43. CHAC*0576A24 44. CLP**0000***1 42. CHAC*05496A25 43. CHAC*0596A24 44. CLP**0000***1 45. PCBS*0A117C24 45-1. SLSP062BCPA63 46. RCKYK00090290 47. CHAC*0990X556 48. SPKPT01041**4 49. SCE0M0503*CE7 50. SLSESA26142*4 51. BLTSW0303068*9 52. LED0500200RS* 53. RAPH*0043***3 54. SLSP062BCPA63 55. ACLRT002***2 56. CLPB**0007***5 57. ACLRT002****2 58. CHAC*0490CA21 59. ACLRT004**3 59. ACLRT002****2 59. ACLRT004**3 59. ACLRT004*				
26. PCBS*0A117824 PCB S-A117(B2) 26-1. PRSSUP51AE186 27. RISESA3285*1 Remote Switch SPUF21CE11 28. PBCS*0A117A24 PCB S-A117(A2) 29. PHSSUF51AE186 Push Switch SPUF51AE18 30. KNBRT00928**0 Push Knok KB-0228 31. CHAC*05776A26 Aux Holder C-577 32. FTP**0018***1 33. CHAC*0487CA21 Left Chassis C-487 34. CHAC*0488CA25 Bottom Chassis 35. CHACR0488CA21 Bottom Chassis 36. CHACR0488CA21 Main PCB C-A105(2) 38. CHAC*0576CA24 Main PCB C-A105(2) 39. CHAC*0576CA24 Main PCB C-A105(2) 40. CHAC*0576CA24 Main PCB C-A105(2) 41. Transformer EUR UK Transformer Holder C-575 41. Transformer EUR UK Transformer 42. CHAC*0494CA29 Heat Sink Holder C-494 43. CHAC*0498CA26 Left C-498 44. CLP**0000**1 Weld 3.2Ø 45. PCB**0A117C24 PCB S-A117(C2) 45-1 SLSP062PCA63 Side Switch P0628C-PA6 46-1 RCKYK00080290 4F-1C CHAC*0908X56 4Rear Panel C-908 47. CHAC*0908X56 Grapher Side Switch P0628C-PA6 48. SPKPT0104LY*4 Speaker Terminal PT-104L-Y Ground Screw E-176 50. SLSESA5142*4 Speaker Terminal PT-104L-Y Ground Screw E-176 51. BLTSW30306B*9 Remove Wire ESA-30306B LED 2x 5 Grange Red 44. SLSP062BCPA63 Side Switch P062BC-PA6 (EX) 51. BLTSW30306B*9 Remove Wire ESA-30306B LED 2x 5 Grange Red 45. RAPH*0043***3 Heat Sink H-043A 54. SLSP062BCPA63 Side Switch P062BC-PA6 (EX) 55. ACART002****2 AC Cord SPT-2AWG 18 × 2C (POLARZED) USA, CND AC Cord SPT-2AWG 18 × 2C (POLARZED) USA, CND AC Cord SPT-2AWG 18 × 2C (POLARZED) AC CORD SPT	1			
26-1. PHSSUF5IAE186 Push Switch SPUF21CE11 27. FLSESA23328*1 Remote Switch ESA-23326 28. PBCS*0A117A24 PCB S-A117A21 29. PHSSUF5IAE186 Push Switch SPUF51AE18 30. KNBRT00928*0 Push Knob KB-0928 31. CHAC*05776A26 Aux Holder C-577 32. FTF**0018***1 Foot Cushion 18Ø x 10m/m 33. CHAC*0487CA21 Left Chassis C-487 34. CHAC*0489CA25 Bottom Chassis 35. CHACR0488CA21 Right Chassis C-488 36. CHAC*0586A23 PCB Holder C-584 37. PCBCA0A105*24 Main PCB CA-A105(2) 38. CHAC*0576A24 Heat Sink Holder C-576A 39. CHAC*0496CA26 Transformer Holder C-579 40. CHAC*0575CA29 Transformer Holder C-579 41. CHAC*0494CA29 Heat Sink Holder C-498 42. CHAC*0494CA29 Heat Sink Holder C-498 44. CLP**0000***1 Heat Sink Holder C-498 45. PCBS*0A117C24 Heat Sink Holder C-494 46. CLP**0000***1 SLSP062BCPA63 46. RCKYK00080290 PCB S-A117IC2) 45-1. SLSP062BCPA63 Slide Switch P062BC-PA6 46. RCKYK00080290 AP RCA Jack KC21-009 47. CHAC*098X556 Rear Panel C-908 48. SPKPT0104LY*4 Speaker Terminal PT-104L-Y Ground Screw E-176 50. SLSESA26142*4 Slide Switch P062BC-PA6 IEX) 51. BLTSW303068*9 Remove Wire ESA-30306B 52. LED0500200RS* LED 2 x 5 Orange Red 54. SLSP062BCPA63 Slide Switch P062BC0-PA6 IEX) 55. ACLRT0021***2 AC Outlet R7-21 EX ACKS*16519**3 AC Outlet S-16519 CND AC Cord SPT-2AWG 18 x 2C (PCLARZED) USA, CND AC Cord SPT-2AWG 18 x 2C (PCLARZED) USA, CND AC Cord GEE x 2C EUR AC Cord SPT-2AWG 18 x 2C (PCLARZED) USA, CND AC Cord CEE x 2C EUR AC Cord SPT-2AWG 18 x 2C EX AC Cord SPT-2AWG 18 x 2C (PCLARZED) USA, CND AC Cord GEE x 2C EUR AC Cord SPT-2AWG 18 x 2C EUR AC Cord SPT-2AWG 18 x 2C EX AC Cord SPT-2AWG 18 x 2C EVR AC Cord SPT-2AWG 18 x 2C EUR AC Cord SPT-2AWG 18 x 2C EVR AC Cord SPT-2AWG 18 x 2C EUR AC Cord SPT-2AWG 18 x 2C EUR AC Cord SPT-2AWG 18 x 2C EVR AC Cord SPT-2AWG 18 x 2C EUR AC Cord SPT-2AWG 1				
27. PLSEA23326*1 Remote Switch ESA-23326 28. PBCS*0A117A24 PCB S-A117IA21 29. PHSSUF51AE186 Push Switch SPUF51AE18 30. KNBRT00928**0 Push Knob KB-0928 31. CHAC*05776A26 Aux Holder C-577 32. FTP**0018***1 Foot Cushion 18Ø x 10m/m 33. CHAC*0487CA21 Laft Chassis C-487 34. CHAC*0489CA25 Bottom Chassis 35. CHACR0488CA21 Right Chassis C-488 36. CHAC*0584GA23 PCB Holder C-578 37. PCBCA0A105*24 Main PCB CA-A105(2) 38. CHAC*0586GA24 Heat Sink Holder C-579 40. CHAC*0576CA29 Transformer Holder C-579 41. Transformer EUR UK Transformer CNO Transformer EUR UK Transformer EUR UK Transformer EUR UK Transformer EX 42. CHAC*0494CA29 Heat Sink Holder C-494 43. CHAC*0498CA26 L Holder C-498 44. CLP*0000***1 Weld 3.2Ø 45. PCBS*0A117C24 PCB S-A117IC21 45. PCBS*0A117C24 PCB S-A117IC21 45. RCKYK00080290 PRCA Jack 46. RCKYK00080290 PRCA Jack 46. RCKYK00080290 PRCA Jack 46. RCKYK00080290 PRCA Jack 47. CHAC*0908X556 Rear Panel C-908 48. SPKPT0104LY*4 Speaker Terminal PT-104LY 49. SCEOM0503*CE7 Ground Screw E-176 50. SLSESA26142*4 Slide Switch P062BC-PA6 51. BLTSW30306B*9 Remove Wire ESA-30306B 52. LED0500200RS* LED 2x 5 0range Red 53. RAPH*0043***3 Heat Sink H-043A 54. SLSP062BCPA63 Slide Switch P062BC-PA6 (EX) 55. ACLRT0021***2 ACC Outlet R7-21 EX ACKS*16519**3 AC Outlet R7-21 EX ACC Ord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord CEE x 2C EUR AC Cord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord CEE x 2C EUR AC Cord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord CEE x 2C EUR AC Cord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord CEE x 2C EUR AC Cord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord CEE x 2C EUR AC Cord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord CEE x 2C EUR AC Cord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord CEE x 2C EUR AC Cord SPT-2AWG 18 x 2C (POLARZED) USA, CND AC Cord CEE x 2C EUR AC Cord SPT-2AWG 18 x 2C EVR AC Cord SPT-2AWG 18 x 2C E				
28. PBCS*0A117A24 PCB S-A117IA21 29. PHSSUF51AE186 Push Switch SPUF51AE18 30. KNBRT0092B**0 31. CHAC*05778A26 Aux Holder C-577 32. FFP**0018***1 33. CHAC*0487CA21 Left Chassis C-487 34. CHAC*0487CA21 Left Chassis C-487 35. CHACR0488CA21 Right Chassis C-488 36. CHAC*0586A23 PCB Holder C-584 37. PCBCA0105*24 Main PCB CA-A 105I21 38. CHAC*0496GA26 Transformer Holder C-579 40. CHAC*0575CA29 Transformer Holder C-575 41. Transformer EUR UK Transformer EUR UK Transformer EV				
29. PHSSUF51AE185				
31. CHAC*05776A26 32. FTP**0018***1 33. CHAC*0487CA21 34. CHAC*0489CA25 35. CHACR0488CA21 36. CHAC*0584GA23 37. PCBCA0A105*24 38. CHAC*0575GA24 39. CHAC*0575GA24 40. CHAC*0575CA29 41. 42. CHAC*0548CA25 43. CHAC*0548CA26 44. CLP**0000***1 45. PCBS*0A117C24 45.1 SLSP062BCPA63 46. RCKYK00080290 47. CHAC*0508C56 48. SPKPT0104LY*4 49. SCEOM0503*CE7 50. SLSESA26142*4 51. BLTSW303068*9 52. LED0500200RS* 54. SLSP062BCPA63 54. SLSP062BCPA63 55. ACLRT0021***2 ACKS*16519**8 56. CLP8**0007***5 57. ACLRT0021***2 ACC Ord SPT-2AWG 18 × 2C AC Cord SPT-2AWG 18 × 2C BUR UK ACC CORD SPT-2AWG 18 × 2C			Push Switch SPUF51AE18	
32. FTP**0018***1 33. CHAC**0487CA21 Left Chassis C-487 34. CHAC**0489CA25 Bottom Chassis 35. CHACR0488CA21 Right Chassis C-488 36. CHAC**0584GA23 PCB Holder C-584 37. PCBCADA105*24 Main PCB CA-A105i2i 38. CHAC**0496GA26 Transformer Holder C-579 40. CHAC**0496GA26 Transformer Holder C-579 41. Transformer EUR UK Transformer EUR UK Transformer EUR UK Transformer EX 42. CHAC**0498CA25 L Holder C-494 43. CHAC**0498CA26 L Holder C-494 44. CLP***0000***1 Weld 3.20 45. PCBS**0A117C24 PCB S-A117IC2) 45-1. SLSP06ZBCPA63 Side Switch P06ZBC-PA6 46-1. RCKYK00080290 AP RCA Jack KC21-009 47. CHAC**0908X556 Rear Panel C-908 48. SPKPT0104LY*4 Speaker Terminal PT-104L-Y SCE0M0503**CE7 Ground Screw E-176 50. SLSESA26142* Side Switch P06ZBC-PA6 51. BLTSW303068*9 Remove Wire ESA-30306B LED 2.x 5 0range Red 53. RAPH**0043***3 Heat Sink H-043A 54. SLSP06ZBCPA63 Side Switch P06ZBC-PA6 55. ACLRT0021***2 ACK**15519 CND 56. CLP8**0007***5 Bushing 8-7 57. AC Cord SPT-ZAWG 18 x 2C PC PCLARED ACC AC Cord SPT-ZAWG 18 x 2C PCLARED ACC AC CORD SPT-ZAWG 18 x 2C PCLARED ACC AC CORD SPT-ZAWG 18 x 2C PCLARED ACC ACC ACC ACC ACC ACC ACC ACC ACC AC	30.	KNBRT00928**0	Push Knob KB-0928	
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34. CHAC*0489CA25 35. CHACR0488CA21 36. CHAC*0584GA23 37. PCBCA0A105*24 38. CHAC*0576GA24 39. CHAC*0576GA24 40. CHAC*0575CA29 40. CHAC*0575CA29 41. Transformer Holder C-575 41. Transformer Former Holder C-575 42. CHAC*0494CA29 43. CHAC*0494CA29 44. CLP**0000**1 45. PCBS*0A117C24 45.1 SLSP062BCPA63 46. RCKYK00080290 47. CHAC*0908X556 48. SPKPT0104LY*4 49. SCEOM0503*0E7 50. SLSESA26142*4 51. BLTSW303068*9 52. LED0500200R5* 53. RAPH*0043***3 54. SLSP062BCPA63 55. ACLRT021***2 ACKS*18519**8 AC Outlet S-16519 56. CLPB**0007***5 Bushing 8-7 AC Cord SPT-2AWG 18 × 2C PCDCARZED) AC CORD S-20	32.	FTP**0018***1		
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49. SCEOM0503°CE7 Ground Screw E-176 50. SLSESA26142*4 Slide Switch ESA-26142 51. BLTSW303068*9 Remove Wire ESA-30306B 52. LED0500200RS* LED 2×5 Orange Red 53. RAPH*0043***3 Heat Sink H-043A 54. SLSP062BCPA63 Slide Switch P062BC0-PA6 (EX) 54-1. STNVC100180*1 Copper Post E-161 55. ACLRT0021***2 AC Outlet R7-21 EX ACKS*16519**8 AC Outlet S-16519 CND 56. CLP8*0007***5 Bushing 8-7 57. AC Cord SPT-2AWG 18×2C EX AC Cord SPT-2AWG 18×2C EUR AC Cord GE 2C EUR AC Cord GE 5000 EUR UK AC Cord SS 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 Insulation Washer 3.2Ø		- "		
51. BLTSW303068*9 Remove Wire ESA-30306B 52. LED0500200RS* LED 2×5 Orange Red 53. RAPH*0043***3 Heat Sink H-043A 54. SLSP0628CPA63 Slide Switch P0628C0-PA6 (EX) 54-1. STNVC100180*1 Copper Post €-161 55. ACLRT0021***2 AC Outlet R7-21 EX ACKS*16519**8 AC Outlet S-16519 CND 56. CLP8*0007***5 Bushing 8-7 57. AC Cord SPT-2AWG 18×2C EX AC Cord SPT-2AWG 18×2C (POLARZED) USA, CND AC Cord CEE×2C EUR AC Cord SS 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 159. F8W04010010*9 Insulation Washer 3.2Ø	1	•	Ground Screw E-176	
52. LED0500200RS* LED 2 x 5 0range Red 53. RAPH*0043***3 Heat Sink H-043A 54. SLSP062BCPA63 Slide Switch P062BC0-PA6 (EX) 54-1. STNVC100180*1 Copper Post E-161 55. ACLRT0021***2 AC Outlet R7-21 EX ACKS*16519**8 AC Outlet S-16519 CND 56. CLP8*0007***5 Bushing B-7 57. AC Cord SPT-2AWG 18 x 2C (P0LARZED) USA, CND AC Cord CEE x 2C AC Cord SS 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 159. F8W04010010*9 Insulation Washer 3.2Ø	50.	SLSESA26142*4	Slide Switch ESA-26142	
53. RAPH*0043***3 Heat Sink H-043A 54. SLSP062BCPA63 Slide Switch P062BC0-PA6 (EX) 54-1. STNVC100180*1 Copper Post E-161 55. ACLRT0021***2 AC Outlet R7-21 EX ACKS*16519**8 AC Outlet S-16519 CND 56. CLP8*0007***5 Bushing B-7 57. AC Cord SPT-2AWG 18 × 2C (POLARZED) USA, CND AC Cord CEE × 2C AC Cord SS 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 159. F8W04010010*9 Insulation Washer 3.2∅	51.	BLTSW30306B*9	Remove Wire ESA-30306B	
54. SLSP062BCPA63 Slide Switch P062BC0-PA6 (EX) 54-1. STNVC100180*1 Copper Post E-161 55. ACLRT0021***2 AC Outlet R7-21 EX ACKS*16519**8 AC Outlet S-16519 CND 56. CLP8*0007***5 Bushing 8-7 57. AC Cord SPT-2AWG 18 × 2C EX AC Cord SPT-2AWG 18 × 2C (POLARZED) USA, CND AC Cord CEE × 2C EUR AC Cord SS 6500 EUR UK AC Cord SS 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 59. F8W04010010*9 Insulation Washer 3.2∅	52.	LED0500200RS*		
54-1. STNVC100180*1 Copper Post E-161 55. ACLRT0021***2 AC Outlet R7-21 EX	ľ		·	100.41
55. ACLRT0021***2 AC Outlet R7-21 EX ACKS*16519**8 AC Outlet S-16519 CND 56. CLPB*0007***5 Bushing 8-7 57. AC Cord SPT-2AWG 18 × 2C EX AC Cord SPT-2AWG 18 × 2C (POLARZED) USA, CND AC Cord CEE × 2C EUR AC Cord S6 5500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 59. F8W04010010*9 Insulation Washer 3.2∅				(EX)
ACKS*15519**8 AC Outlet 5-16519 CND 56. CLPB*0007***5 Bushing B-7 AC Cord SPT-2AWG 18 × 2C EX AC Cord SPT-2AWG 18 × 2C (POLARZED) USA, CND AC Cord CEE × 2C EUR AC Cord 85 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 59. F8W04010010*9 Insulation Washer 3.2Ø				cv
56. CLP8*0007***5 Bushing B-7 57. AC Cord SPT-2AWG 18 × 2C EX AC Cord SPT-2AWG 18 × 2C (POLARZED) USA, CND AC Cord CEE × 2C EUR AC Cord 8S 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 59. F8W04010010*9 Insulation Washer 3.2∅	33.			
57. AC Cord SPT-2AWG 18 × 2C EX AC Cord SPT-2AWG 18 × 2C (POLARZED) USA, CND AC Cord CEE × 2C EUR AC Cord BS 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 59. F8W04010010*9 Insulation Washer 3.2∅	56			J.1.3
AC Cord SPT-2AWG 18 × 2C (POLARZED) USA, CND AC Cord CEE × 2C EUR AC Cord 85 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 59. F8W04010010*9 Insulation Washer 3.2Ø		5G 5 5007 5	•	EX
(POLARZED) USA, CND AC Cord CEE × 2C EUR AC Cord 85 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 59. F8W04010010*9 Insulation Washer 3.2∅	1			
AC Cord 85 6500 EUR UK AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 59. F8W04010010*9 Insulation Washer 3.2∅	1			USA, CND
AC Cord SAA AUS 58. CHAC*0490CA21 Upper Cover C-490 59. F8W04010010*9 Insulation Washer 3.2Ø			AC Cord CEE × 2C	1
58. CHAC*0490CA21 Upper Cover C-490 59. FBW04010010*9 Insulation Washer 3.2Ø				
59. F8W04010010*9 Insulation Washer 3.20				AUS
VO. PTWUSZUGUDT / Washer SU				
	- JO.	F14403200003"/	realer of	

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
61.	SCECT030016*1	Screw CRTS 3×16	
62. 63.	SCECT3006BC*6 SCECM3006YC*9	Screw CRTS 3×6 Screw CRMS 3×6	
63. 64.	SCECT3006YC*7	Scraw CRTS 3×6	
65.	SCECT3006YC*7	Screw CRTS 3×6	
66. 67.	SCECT3508YC*9 SCECM4008BW*6	Screw CRTS 3.5 × 8 Screw CRWMS 4 × 8	
68.	SCECM4010YS*5	Screw CRMS 4×10	
69.	SCECT3008BC*1 SCECT0109BCP7	Screw CRTS 3×8 Plastic Screw 1/8×9	
70. 71.	SCECM4006BC*2	Screw CRWMS 4×6	
72.	SCECT26048C*1	Screw CRMS 2.6 × 4 Screw CRTS 3 × 6	
73. 74.	SCECT3006*YC7 SCECM3012YC*4	Screw CRMS 3×12	
75.	SDY32E*0037X8	"U" Jump Wire	
76 77.	SCECM3006BC*8 SCECT3008BU*1	Screw CRTS 3×6 Slotted Head Screw CRTS 3×8	
78.	SCECT30588C*1	Screw CRTS 3.5×8	
79.	TDA**0X35*38	Owner's Manual	
80. 81.		Styrofoam PT-045 Inside carton	
82.		Outside carton (Two in one)	
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9 PC BOARD AND PARTS LIST

9.1 MAIN AMP PCB CA-A105(2)



MAIN AMP PCB ASSY CA-A105(2)

REF. NO.	PARTS NO.	DESCRIPTION
	PCBCAOA 105°24	MAIN AMP PCB ASSY
	PCBCAOA 105*24	MAIN AMP PCB
	-1	C'S-
IC301	ICCNJ04558DD6	NJM4558DD
IC801-IC803	. ICCCD04066AE9	TC40668P
	-TRAN	SISTORS-
0001	TRSSD0468C**6	2SD468
Q002	TRSSB0562C**8	2SB562
Q101, Q102	TRSSC1815GR*4	2SC1815GR
Q103	TRSSC1815BL*1	2SC1815BL
Q104	TRSSD0438F**0	2SD438
Q201, Q301	TRSSKO117BL*7	2SK1178L
Q202, Q302	TRSSK0117BL*7 TRSSA1038E**3	2SK117BL 2SA1038
Q601, Q701 Q602, Q702	TRSSA1038E**3	2SA1038
Q603, Q703	TRSSC2229Y**3	2SC2229Y
Q604, Q704	TRSSC2229Y**3	2SC2229Y -
Q605, Q705	TRSSA0949Y**4	2SA949Y
Q606, Q706	.TRSSC1815BL*1	2SC1815BL
Q607, Q707	TRSSC2235Y**9	2SC2235Y
Q608, Q708	TRSSA0965Y**2	2SA965Y
Q609, Q709	TRSSD11480**5	2SD1148 2SB863
Q610, Q710	TRSSB08630**1 TRSSC1815GR*4	2SC1815GR
Q611, Q711		
	-DI	ODES-
D001, D004	DIDIN5402***1	1N5402
D005, D006	DID010VOW5**2	10V 0.5W
D007, D008	DIDIN4002***2	1N4002
D101	DIDIN4148***8	1N4148 4.7V 0.5W
D102	DID04V70W5**9 DIDIN4002***2	1N4002
D104 D601-D603	DIDIN4148***8	1N4148
D701-D703	DIDIN4148***8	1N4148
D704	DID022VOW5**7	22V 0.5W
	-CARBON	RESISTORS-
•		±5% tolerance and 1/4W
R003, R004	CBR03K30W4TJ4	3K3 ohm
R101, R102	CBR015KOW4TJ0	15K ohm
R103	CBR047KOW4TJ6	47K ohm
R104	CBR220ROW4TJ1	220 ohm
R105	CBROIM2OW4TJ9	1M2 ohm
R201, R301	CBR022ROW4TJ8	22 ohm
R202, R302	CBR056K0W4TJ7 CBR001K0W4TJ7	56K ohm 1K ohm
R206, R306	CBROO1KOW4TJ7	1K ohm
R209, R309 R210, R310	CBR068KOW4TJ1	68K ohm
R211, R311	CBR100R0W4TJ4	100 ohm
R213, R313	CBR056R0W4TJ2	56 ohm
R214, R314	CBR150R0W4TJ1	150 ohm
. R601, R701	CBR02K20W4TJ5	2K2 ohm
R602, R702	CBR047KOW4TJ6	47K ohm
R603, R703	CBR033KOW4TJ2	33K ohm
R604, R704	CBR01K80W4TJ1	1K8 ohm 3K3 ohm
R605, R705 R606, R706	CBRO3K30W4TJ4 CBRO3K30W4TJ4	3K3 ohm
R608, R708	· CBR150R0W4TJ1	150 ohm
R609, R709	CBR010K0W4TJ8	10K ohm
R610, R710	CBR150R0W4TJ1	150 ohm
R611, R711	CBR03K90W4TJ6	3K9-ohm
R612, R712	CBR220R0W4TJ1	220 ohm
R613; R713	CBRO47KOW4TJ6	47K ohm
R614, R714	CBRO01KOW4TJ7 CBR010ROW4TJ3	1K ohm 10 ohm
R616, R716 R617 R717	CBR010R0W4TJ3	10 ohm
R617, R717 R620, R720	CBRO4K70W4TJ4	4K7 ohm
R622, R722	CBR022K0W4TJ2	22K ohm
R723	CBRO3K30W4TJ4	3K3 ohm
R624, R724	CBR150R0W4TJ1	150 ohm
R801-R806	CBR001K0W4TJ7	1K ohm
R807, R808	CBRO4K70W4TJ4	4K7 ohm
	CBROO1KOW4TJ7	1K ohm
R809, R810		470 ohm
R809, R810 R815, R816 R817-R821	CBR470R0W4TJ1 CBR068K0W4TJ1	470 ohm 68K ohm

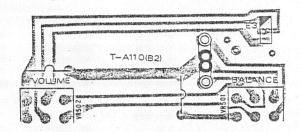
REF. NO.	PARTS NO.	DESCRIPTION	
R607, R702	CBR010R0W4FJ3	10 ohm	
R811, R812	CBR04K70W4FJ4	4K7 ohm	
R813, R814	CBR068K0W4FJ1	68K ohm	
	All resistors are rated ±5	% tolerance and 1/2W	•
R005, R006	CBR010K0W2TJ6	10K ohm	
R008	CBR01K50W2TJ9	1K5 ohm 1K ohm	
R106	CBR001K0W2TJ5 CBR001K0W2TJ1	1K ohm	
RICO			
	All resistors are rated ±5		
R615, R715	CBR330R0W3TJ2	330 ohm	
	-ETAL FILM R All resistors are rated ±5		
R203, R303	PMR03K30W4TG5	3K3 ohm	
R204, R304	PMR01K50W4TG1	1K5 ohm	
R205, R305	PMR01K50W4TG1	1K5 ohm	
R207, R307	PMR033K0W4TG3	33K ohm	
R208, R308	PMR330K0W4TG9	330K ohm	
	All resistors are rate ±5	5% tolerance and 1W	
R001, R002	MTR001K01WTJ8	1K ohm	
R107	MTR470R01WTJ2	470 ohm	
R621, R721	MTR010R01WTJ4	10 ohm	
	-CEMENT-FILLED FI. All resistors are rate ±5		
R618, R718 R619, R719	CMROR3305WTE9 CMROR3305WTE9	0.33 ohm 0.33 ohm	
NO 13, N/13			
	-CAPCIT		
C001	CRCOPO101KRZ1	Ceramic 0.01u	500V
C003, C004	ELC06K8050R35	Elec. 6800u Elec. 220u	50V 25V
C005, C006 C007-C010	ELC220U025R38 ELC220U016R37	Elec. 220u Elec. 220u	16V
C011	ELC100U050R31	Elec. 100u	50V
C012	ELC04U7050R54	Elec. 4.7u	50V KULR
C101	ELC220U016R01	Elec. 220u	16V NP
C102	ELC033U010R38	Elec. 33u	10V
C103	PECU022050RK3	Mylar 0.022K	
C201, C301	CRC0100050RK5 CRC0330050RK1	Ceramic 100P Ceramic 330P	50V 50V
C202, C302 C203, C303	ELC470U016R37	Elec. 470u	16V
C204, C304	PEC2000050RJ5	Mylar 0.002u	50V
C205, C305	PECU022500RK3	Mylar 0.0068u	50V
C206, C306	ELC0U33050R55	Elec. 0.33u	50V
C208, C308	ELC047U016R37	Elec. 47u	16V
C601, C701	ELCO4U7025R35	Elec. 4.7u Ceramic 200P	25V 50V
C602, C702 C604, C704	CRC0200500RK5 ELC220U016R37	Ceramic 200P Elec. 220u	16V
C605, C705	CRC0022500RK0	Ceramic 22P	500V
C606, C706	CRC0015500RK7	Ceramic 15P	500V
C607, C707	CRC0100050RK5	Ceramic 100P	50V
C608, C708	PECOOU1050RK3	Ceramic 0.1u	50V
C609, C709	CRC0100050RK5	Ceramic 100P	50V
C610, C710	PECU022050RK3 ELC0U47050R09	Mylar 0.022u Elec. 0.47u	50V 50V NP
C611, C711 C612, C712	CRC0010500RK9	Ceramic 10P	500V
C713	ELC100U025R30	Elec. 100P	25V
C614, C714	CRC0330500RK4	Ceramic 330P	500V
C801-C804	CRC0100050RK4	Ceramic 100P	50V
C805, C806	ELC047U016R37	Elec. 47u	16V
C807-C810	CRC0100050RK5	Ceramic 100P	50V
	-VARIABLE R		
TVR001, TVR701	TVR001K063HM1	60H 1K ohm	
	-COIL		
L601, L701	CIL1851000186	18 1/2T	
	-MISCELLA		
	RCKYK000904P2 CHAPC02023**5	4P RCA Jack 2P RCA Jack	
	CNT**514311P1	Wafer Connector 11P	
RY-101	RLY24V5A2P2C1	Relay	
	SLSESA26142*4	Slide Switch	
	SDY43SQ1119*8	Pin 1 x 1 x 9	
	FUHFH0003***1 RAPH*0043***3	Fuse Holder Heat Sink	
	1151 11 0070 U		

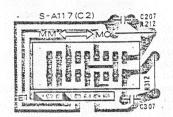
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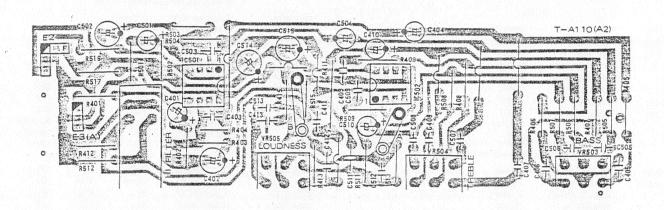
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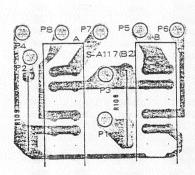
9.2 POWER SWITCH PCB S-A517A SWITCH PCB S-A117 (B2,C2) TONE AMP PCB T-A110(A2,B2) FUNCTION SWITCH PCB S-A117 (A2) FUNCTION LED PCB L-A113 (A1) POWER LED PCB L-A113 (B1)







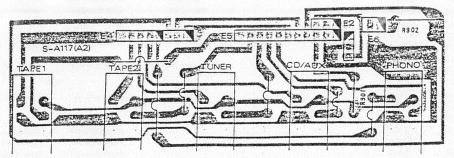












TONE AMP PCB ASSY T-A110(A2)

REF. NO.	D. PARTS NO. DESCRIPTION		
	PCBT*0A110A24	TONE AMP PCB ASSY	
	PC8T*0A110A24	TONE AMP PCB	
	-10	C'S-	
IC501	ICCNJ02043D*2	NJM2043D	
IC502	ICCNJO4558DD6	NJM4558DD	
	_CARRON	RESISTORS-	
		±5% tolerance and 1/4W	
R401, R501	CBROO1K0W4TJ7	1K ohm	
R402, R502	CBR100K0W4TJ9	100K ohm	
R403	CBR010K0W4FJ8	10K ohm F Type	
R404	CBR082K0W4FJ5	82K ohm F Type	
R405, R505	CBR012K0W4TJ7	12K ohm	
R406, R506	CBR010K0W4TJ8	10K ohm	
R407, R507	CBRO12K0W4TJ7	12K ohm	
R408, R508	CBR010K0W4TJ8	10K ohm	
R409, R509	CBR04K70W4TJ4	4K7 ohm	
R411, R511	CBR03K90W4TJ6	3K9 ohm	
R412, R512	C8R220K0W4TJ6	220K ohm	
R413, R513	CBR018K0W4TJ4	18K ohm	
R415, R515	CBR03K30W4TJ4	. 3K3 ohm	
R503	C8R010K0W4TJ8	10K ohm	
R504	CBR082K0W4TJ5	82K ohm	
	-CAPC	ITIORS-	
C401, C501	ELCO4U7025R35	Elec. 4.7u	25V -
C402, C502	ELC100U010R34	Elec. 100u	10V
C403, C503	CRC0010050RK4	Ceramic 10P	50V
C404, C504	ELC04U7025R35	Elec. 4.7u	25V
C405, C505	PECU033050RJ2	Mylar - 0.033u	. 50V
C406, C506	PECU033050RJ2	Mylar 0.033u	50V
C407, C507	PEC3300050RJ8	Mylar 0.0033u	50V
C408, C508	PEC3300050RJ8	Mylar 0.0033u	50V
C409, C509	PEC4700050RJ6	Mylar 0.005u	50V
C410, C510	ELC04U7025R35	Elec. 4.7u	25V
C411, C511	PEC6800050RJ4	Mylar 0.0068u	50V
C412, C512	PECOUO1050RJ8	Mylar 0.01u	50V
C413, C513	PECU033050RJ2	Mylar 0.033u	50V
C514, C515	ELC047U016R37	Elec. 47u	16V
	-VARIABLE	RESISTORS-	
VR503, VR504	RVR100K25BE27	100KB×2	
VR505	RVR100K25AT26	100KA × 2	
	-MISCELL	ANEOUS-	
	PHSSUF12AE157	Push Switch	
	PRL11002403P4	Connector 3P x 110 m/m	

SWITCH PCB ASSY S-A117(B2)

REF. NO.	PARTS NO.	DESCRIPTION
	PCBS*0A117B24	SWITCH PCB ASSY
	PCBS*0A117B24	SWITCH PCB
	-METAL FILM	I RESISTORS-
R108, R109	MTR330R01WTJ4	330 ohm 1W
	PHSSUF21CE115	Push Switch

SWITCH PCB ASSY S-A117(C2)

REF. NO.	PARTS NO.	DESCRIPTIO	N ·	
	PCBS*0A117C24	SWITCH PCB	ASSY	
	PCBS*0A117C24	SWITCH PCB		•
	-CARBON	RESISTORS-		
	All resistors are rated :	5% tolerance and	1/4W	
R212, R312	CBR100RGW4TJ4	100 ohm		
	-MISCEL	LANEOUS-		
C207, C307	PECOUO1050RJ8	Mylar	0.01u	50V
	PRL10002405P9	Connector	5P x 110	
	PRL17002403P7	Connector	3P×170	
	PC8S*0A117C24	Slide Switch		

FUNCTION LED PCB ASSY L-A113(A1)

REF. NO.	PARTS NO.	DESCRIPTION
	PCBL*0A113A26	FUNCTION LED PCB ASSY
	PC8L*0A113A26	FUNCTION LED PCB
D-901-D906	LED050020GS*7	LED 2 x 5 Green
	PRL11002403P4	Connector 3P x 110
	PRL10002405P9	Connector 5P x 110
	GSKK801968**9	Washer

TONE AMP PCB ASSY T-A110(B2)

REF. NO.	PARTS NO.	DESCRIPTION	
	PCBT*0A110B24	TONE AMP PCB ASSY	
•	PCBT*0A110824	TONE AMP PCB	
	-VARIABLE	RESISTORS-	
VR501	RVR250K25MC20	MN250K × 2	
VR502	RVR100K18AZ11	250KA	

FUNCTION SWITCH PCB ASSY S-A117(A2)

REF. NO.	PARTS NO.	DESCRIPTION
	PCBS*0A117A24	FUNCTION SWITCH PCB ASSY
	PC8S*0A117A24	FUNCTION SWITCH PCB
	-CARSON	RESISTORS-
	All resistors are rated :	±5% tolerance and 1/4W
R901	CBR010K0W4TJ8	10K ohm
1902	CBR047R0W4TJ8	47 ohm
	-MISCEL	LANEOUS-
	PHSSUF51AE185	Push Switch
	CNT**549408P7	Wafer Connector 8P
	PRL17002405P7	Connector 5P x 130
	PRL17002605P7	Connector 6P×170
	SDY43S01119*8	Pin 1×1×9

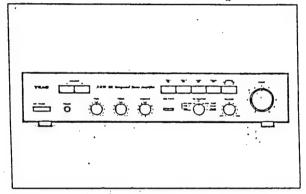
POWER LED PCB ASSY L-A113(B2)

REF. NO.	PARTS NO.	DESCRIPTION	
	PCBL*0A113B26	POWER LED PCB ASSY	
	PC8L*0A113826	POWER LED PCB	
	-MISCEL	LANEOUS-	
	LED050020RS*7	LED 2×5 Red	
	GSKK801948*5*	Washer	
	SCECT2606YC*4	Screw CRTS 2.6 x 6	

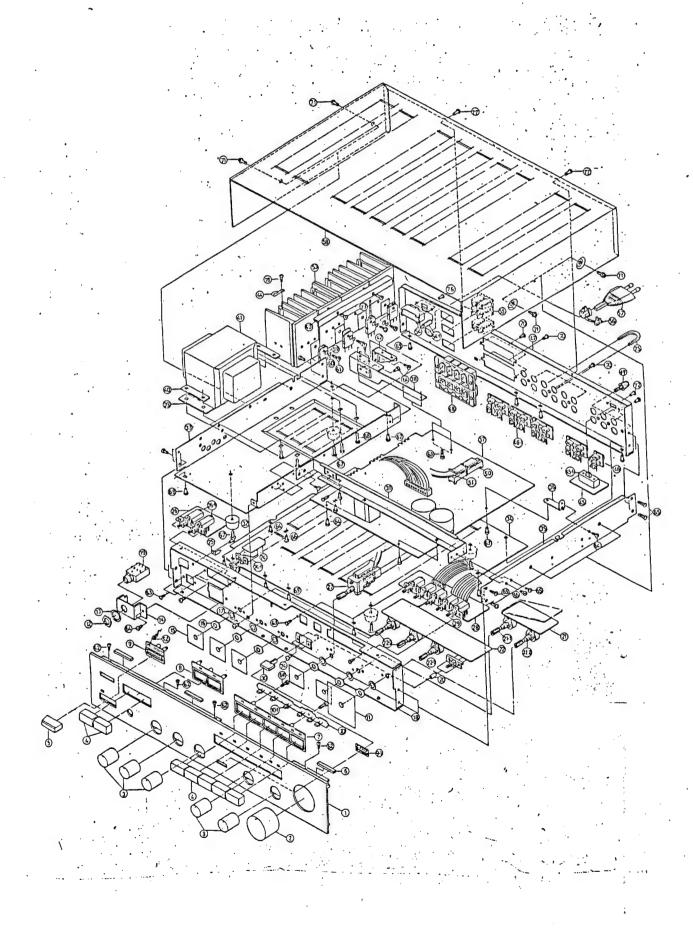
POWER SWITCH PCB ASSY S-A517A

REF. NO.	PARTS NO.	DESCRIPT	ION		
	POWER SWITCH PCB	ASSY			
	POWER SWITCH PCB				
	-MISCEL	LANEOUS-			
	CRCOPO101KRZ1	Ceramic	0.01u	1000V	
	PWSESB82131*1	Power Switch	:h		
	SCECT2606YC*4	Screw CRTS	2.6×6		

DC Integrated Stereo Amplifier



SERVICE MANUAL



EXPLODED	PARTS NO. DESCRIPTION	REMARKS
RES. NO.		
1.	PNLAL0186X555 Front Panel L-1	186
2.	KNBRT0169B**9 Knob KB-169BK KNBRT0143B**2 Knob KB-143BK	
3.	MUNICIPAL	68B
4.		67B
5.		40x8x5
6.		h Knob A-196
7.		h Knob A-196
8.		h Knob A-194
9.		h Knob A-195
9-1.	DCDI +03113316 LED PCB L-A113	(A1)
10.	LED050020GS*7 Indication LED	2x5 Green
10-1.	CLT05005005*6 Flet D-0032A	
11.	Nut M12	
→ 12·	Washer 12.10	
→ 13·	CHAC*0495CA20 Phone Jack Hol	der C-495
14. 15. —> 16.	CLT02802825*2 Flet D-0031A	
15.	/ Nut M7x0.75	
	Washer 7.2 Ø	
-> 17. 18.	CHAC*0907X554 Front Chassis	C-907
19.	Programme Jack HTC	J064-04D
20.	cmna *0213***8 Plastic Post F	A-213
21.	PCBT*0A110B24 PCB T-A110(B2)) ~~162000218
21-1.	RVR100K18AZ11 VR 250KAX2X25	KA162B0D210
21-2	RVR250K25MC20 VR MN250KX2X2	5 KIGZAUAU40
22.	PCBT*0A110A24 PCB T-A110(A2) - DKD
22-1.	RVR100K25AT26 VR 100KAX2X25	KKDA20B223
22-2.	RVR100K25BE2/ VR 100KBX2X23	-hom 4 20 v8
23.	FBW04010010*9 Insulation Ha	sher 4.20 kg
24.	PCBS*0A517A*2 PCB S-A517A	CDI -R1P (TV3)
24-1		SDL-B1P (TV3)
25.	SDY54030****1 Weld 30	
26.	PCBS*0A117B24 PCB S-A117(B2	CDUE21CE11
26-1	PHSSUF51AE186 Push Switch FLSESA23326*1 Remote Switch	FCA-23326
27.	FLSESA23326*1 Remote Switch))
28.	PBCS*0A117A24 PCB S-A117(A2 PHSSUF51AE186 Push Switch S	PUF51AE18
29.		-092B
30.	KNBRT0092B**0 Push Knob KB- CHAC*05776A26 Aux Holder C-	-577
31.		180×10m/m
32.		C-487
33.		is ·
34.		s C-488
35.		-584
36.		A105(2)
37.		lder C-576A
. 38.		Holder C-579
39.	CHAC*0496GAZ6 Transformer	Holder C-575
40.	CHAC	Holder C-580
41.	LIMC OIS COL	lder C-494
42.		98 .
43.	CHAC*0498CA26 L Holder C-4	

RES. NO.	PARTS NO.	DESCRIPTION	REMARKS
44. 45. 45-1. 46. 46-1.	CLP**0000***1 PCBS*0A117C24 SLSP062BCPA63 RCKYK00080290 RCKYK000904P2	PCB S-A117(C2) Slide Switch P062BC-PA6 2P RCA Jack 4P RCA Jack KC21-009	
47. 48. 49. 50.	CHAC*0908X556 SPKPT0104LY*4 SCEOM0503*CE7 SLSESA26142*4	Rear Panel C-908 Speaker Terminal PT-104L- Ground Screw E-176 Slide Switch ESA-26142	Y
51. 52. 53. 54.	BLTSW30306B*9 LED0500200RS* RAPH*0043***3 SLSP062BCPA63	Remove Wire ESA-30306B LED 2x5 Orange Red Heat Sink H-043A Slide Switch P062BC0-PA6	(EX)
54-1. 55.	STNVC100180*1 ACLRT0021***2	Copper Post E-161 AC Outlet R7-21 AC Outlet S-16519	EX CND
57.	CHEB 0007 5	AC Cord SPT-2AWG 18x2C AC Cord SPT-2AWG 18x2C (POLARZED) AC Cord CEEx2C	EX USA,CND EUR
58.	CHAC*0490CA21 FBW04010010*9	AC Cord BS 6500 AC Cord SAA Upper Cover C-490 Insulation Washer 3.2Ø	EUR UK AUS
60. 61. 62. 63.	FTW03208005*7 SCECT030016*1 SCECT3006BC*6 SCECM3006YC*9		
64. 65.	SCECT3006YC*7 SCECT3006YC*7 SCECT3508YC*9	Screw CRTS 3x6 Screw CRTS 3x6 Screw CRTS 3.5x8	•
68. 69. 70.	SCECM4008BW*6 SCECM4010YS*5 SCECT3008BC*1 SCECT10109BCP7	Screw CRMS 4x10 Screw CRTS 3x8 Plastic Screw 1/8x9	
71. 72. 73. 74. 75.	SCECM4006BC*2 SCECT2604BC*1 SCECT3006*YC7 SCECM3012YC*4 SDY32E*0037X8	Screw CRWMS 4x6 Screw CRMS 2.6x4 Screw CRTS 3x6 Screw CRMS 3x12 "U" Jump Wire	
76. 77. 78.	SCECM3006BC*8 SCECT3008BU*1 SCECT3058BC*1	Screw CRTS 3x6 Slotted Head Screw CRTS 3 Screw CRTS 3.5x8	3×8

MATN	MMD	PCB	ASSY	CA-A	105	(2)
MALN	AME	FUD	ASSI			

REF. NO.	PARTS NO.	DESCRIPTION
	PCBCA0A105*24 PCBCA0A105*24	MAIN AMP PCB ASSY MAIN AMP PCB
	-IC'S-	•
IC301 IC801-IC803	ICCNJ04558DD6 ICCCD04066AE9	NJM4558DD TC4066BP
	-TRANSISTORS-	
Q001 Q002 Q101,Q102 Q103 Q104 Q201,Q301 Q202,Q302 Q601,Q701 Q602,Q702 Q603,Q703 Q604,Q704 Q605,Q705 Q606,Q706 Q606,Q707 Q608,Q708 Q609,Q709 Q610,Q710 Q611,Q711	TRSSD0468C**6 TRSSB0562C**8 TRSSC1815GR*4 TRSSC1815BL*1 TRSSD0438F**0 TRSSK0117BL*7 TRSSK0117BL*7 TRSSA1038E**3 TRSSA1038E**3 TRSSC2229Y**3 TRSSC2229Y**3 TRSSC2229Y**3 TRSSC2229Y**4 TRSSC1815BL*1 TRSSC1815BL*1 TRSSC2235Y**9 TRSSA0965Y**2 TRSSD11480**5 TRSSB08630**1 TRSSC1815GR*4	2SC1815BL 2SD438 2SK117BL 2SK117BL 2SA1038 2SA1038 2SC2229Y 2SC2229Y
	-DIODES-	
D001,D004 D005,D006 D007,D008 D101 D102 D104 D601-D603 D701-D703	DIDIN5402***1 DID010V0W5**2 DIDIN4002***2 DIDIN4148***8 DID04V70W5**9 DIDIN4002***2 DIDIN4148***8 DID01N4148***8 DID022V0W5**7	10V 0.5W 1N4002 1N4148 4.7V 0.5W 1N4002 1N4148 1N4148 22V 0.5W
All resi	-CARBON RESIST	rors- + 5% tolerance and 1/4W
R003,R004 R101,R102 R103 R104 R105 R201,R301	CBR03K30W4TJ4 CBR015K0W4TJ0 CBR047K0W4TJ6 CBR220R0W4TJ1 CBR0IM20W4TJ9 CBR022R0W4TJ8	47K ohm 220 ohm 1M2 ohm

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DESCRIPTION
                 PARTS NO.
REF. NO.
                                  56K ohm
                 CBR056K0W4TJ7
R202,R302
                                   1K ohm
                 CBR001K0W4TJ7
R206,R306
                                   1K ohm
                 CBR001K0W4TJ7
R209, R309
                                  68K ohm
                 CBR068K0W4TJ1
R210,R310
                                   100 ohm
                 CBR100R0W4TJ4
R211,R311
                                    56 ohm
                 CBR056R0W4TJ2
R213,R313
                                   150 ohm
                 CBR150R0W4TJ1
R214,R314
                                   2K2 ohm
                 CBR02K20W4TJ5
 R601, R701
                                   47K ohm
                 CBR047K0W4TJ6
 R602, R702
                                   33K ohm
                  CBR033K0W4TJ2
 R603,R703
                                   1K8 ohm
                  CBR01K80W4TJ1
 R604,R704
                                   3K3 ohm
                  CBR03K30W4TJ4
 R605, R705
                                   3K3 ohm
                  CBR03K30W4TJ4
 R606,R706
                                   150 ohm
                  CBR150R0W4TJ1
 R608, R708
                                    10K ohm
                  CBR010K0W4TJ8
 R609, R709
                                    150 ohm
                  CBR150R0W4TJ1
 R610, R710
                                    3K9 ohm
                  CBR03K90W4TJ6
                                    220 ohm
  R611, R711
                  CBR220R0W4TJ1
  R612,R712
                                    47K ohm
                  CBR047K0W4TJ6
 R613, R713
                                     1K ohm
                   CBR001K0W4TJ7
  R614, R714
                                     10 ohm
                   CBR010R0W4TJ3
  R616, R716
                                     10 ohm
                   CBR010R0W4TJ3
  R617,R717
                                    4K7 ohm
                   CBR04K70W4TJ4
  R620, R720
                                    22K ohm
                   CBR022K0W4TJ2
  R622,R722
                   CBR03K30W4TJ4
                                    3K3 ohm
                                     150 ohm
  R723
                   CBR150R0W4TJ1
  R624, R724
                                      1K ohm
                   CBR001K0W4TJ7
   R801-R806
                                     4K7 ohm
                   CBR04K70W4TJ4
   R807, R808
                                      1K ohm
                   CBR001K0W4TJ7
   R809, R810
                                     470 ohm
                   CBR470R0W4TJ1
   R815, R816
                                     68K ohm
                   CBR068K0W4TJ1
   R817-R821
        All resistors are rated \pm 5% tolerance and 1/4W F Tape
                                      10 ohm
                    CBR010R0W4FJ3
   R607,R702
                                     4K7 ohm
                    CBR04K70W4FJ4
   R811,R812
                                      68K ohm
                    CBR068K0W4FJ1
   R813, R814
                                     5% tolerance and 1/2W
         All resistors are rated +
                                      10K ohm
                    CBR010K0W2TJ6
    R005,R006
                                      1K5 ohm
                     CBR01K50W2TJ9
                                       1K ohm
    R008
                     CBR001K0W2TJ5
                                       1K ohm
                    CBR001K0W2TJ1
    R106
          All resistors are rated \pm 5% tolerance and 1/3W
                                      330 ohm
                     CBR330R0W3TJ2.
   R615,R715
                     -ETAL FILM RESISTORS-
          All resistors are rated \pm 5% tolerance and 1/4W
                                       3K3 ohm
                     PMR03K30W4TG5
     R203,R303
```

```
DESCRIPTION
                PARTS NO.
                PMR01K50W4TG1
                                  1K5 ohm
R204,R304
                                  1K5 ohm
                PMR01K50W4TG1
R205,R305
                PMR033K0W4TG3
                                  33K ohm.
R207, R307
                PMR330K0W4TG9
                                 330K ohm
R208, R308
                          rate + 5% tolerance and 1W
     All resistors are
                                   1K ohm
R001, R002
                MTR001K01WTJ8
                MTR470R01WTJ2
                                  470 ohm
R107
                MTR010R01WTJ4
                                   10 ohm
R621, R721
                 -CEMENT-FILLED FIXED RESISTORS-
     All resistors are rate \pm 5% tolerance and 5W
                 CMROR3305WTE9
                                 0.33 ohm
R618, R718
                                 0.33 ohm
                 CMROR3305WTE9
R619, R719-
                 -CAPCITORS-
                 CRCOP0101KRZ1
                                                    500V
                                 Ceramic
                                            0.01u
C001
                                            6800u
                                                     50V
C003,C004
                 ELC06K8050R35
                                 Elec.
                                             220u
                                                     25V
                 ELC220U025R38
                                 Elec.
C005,C006
                                                     16V
                                             220u
                 ELC220U016R37
                                 Elec.
C007-C010
                                                     50V
                                             100u
                                 Elec.
                 ELC100U050R31
C011
                                                     50V KULR
                                             4.7u
                 ELC04U7050R54
                                 Elec.
C012
                                             220u ·
                                                     16V NP
                 ELC220U016R01
                                 Elec.
C101
                                                     10V
                                              33u
                 ELC033U010R38
                                 Elec.
C102
                                          0.022K
                 PECU022050RK3
                                 Mylar
C103
                                                     50V
                                             100P
                 CRC0100050RK5
                                 Ceramic .
C201,C301
                                                     50V
                                             330P
                                 Ceramic
C202,C302
                 CRC0330050RK1
                                             470u
                                                     16V
C203,C303
                 ELC470U016R37
                                 Elec.
                                                     50V
                                          0.002u
                                 Mylar
C204,C304
                 PEC2000050RJ5
                 PECU022500RK3
                                 Mylar
                                         0.0068u
                                                     50V
C205,C305
                                           0.33u
                                                     50V
                                 Elec.
                 ELC0U33050R55
 C206,C306
                                              47u
                                                     16V
 C208,C308
                 ELC047U016R37
                                 Elec.
                                                     25V
                                             4.7u
                 ELC04U7025R35
                                 Elec.
 C601,C701
                 CRC0200500RK5
                                  Ceramic
                                             200P
                                                     50V
 C602,C702
                                                     16V
                                 Elec.
                                             220u.
 C604,C704
                 ELC220U016R37
                                              22P
                                                    500V
                                  Ceramic
 C605,C705
                 CRC0022500RK0
                                              15P
                                                    500V
                 CRC0015500RK7
                                  Ceramic
 C606,C706
                                                     50V
                                             100P
                                  Ceramic
                 CRC0100050RK5
 C607,C707
                                                     50V
                                  Ceramic
                                             0.1u
                 PEC00U1050RK3
 C608,C708
                                                     50V
                                             100P
                                  Ceramic
 C609,C709
                 CRC0100050RK5
                                           0.022u
                                                      50V
                 PECU022050RK3
                                  Mylar
 C610,C710
                                            0.47u
                                                      50V NP
                                  Elec.
                 ELC0U47050R09
 C611,C711
                                                     500V
                 CRC0010500RK9
                                              10P
                                 ·Ceramic
 C612,C712
                                             100P
                                                      25V
                 ELC100U025R30
                                  Elec.
 C713
                                                     500V
                                             330P
                                  Ceramic
 C614,C714
                 CRC0330500RK4
                                                      50V
                                  Ceramic
                                             100P
                 CRC0100050RK4
 C801-C804
                                                      16V
                                              47u
                 ELC047U016R37
                                  Elec.
 C805,C806
                                                      50V
                                  Ceramic
                                             100P
                 CRC0100050RK5
 C807-C810
```

REF. NO.	PARTS NO.	DESCRIPTION
	-VIRABLE RESIS	TORS-
TVR001,TVR701	TVR001K063HM1	60H 1K ohm
	-COILS-	
L601,L701	CIL1851000186	18 1/2T
	-MISCELLANEOUS	;-
RY-101	RCKYK000904P2 CHAPC02023**5 CNT**514311P1 RLY24V5A2P2C1 SLSESA26142*4 SDY43SQ1119*8 FUHFH0003***1 RAPH*0043***3	2P RCA Jack Wafer Connector 11P Relay Slide Switch Pin 1x1x9 Fuse Holder
TONE AMP.PCB	ASSY T-A110(A2)	
REF. NO.	PARTS NO.	DESCRIPTION
		TONE AMP PCB ASSY TONE AMP PCB .
	-IC'S-	
IC501 IC502	ICCNJ02043D*2 ICCNJ04558DD6	
All resi	-CARBON RESIST	TORS- + 5% tolerance and 1/4W
R401,R501 R402,R502 R403 R404 R405,R505 R406,R506 R407,R507 R408,R508 R409,R509 R411,R511 R412,R512 R413,R513 R415,R515	CBR001K0W4TJ7 CBR100K0W4TJ9 CBR010K0W4FJ8 CBR082K0W4FJ5 CBR012K0W4TJ7 CBR010K0W4TJ8 CBR012K0W4TJ7 CBR010K0W4TJ8 CBR04K70W4TJ4 CBR03K90W4TJ6 CBR220K0W4TJ6 CBR018K0W4TJ4 CBR03K30W4TJ4 CBR03K30W4TJ4 CBR010K0W4TJ8 CBR082K0W4TJ5	1K ohm 100K ohm 10X ohm F Type 82K ohm F Type 12K ohm 10K ohm 10K ohm 12K ohm 10K ohm 12K ohm 10K ohm 18K ohm 3K9 ohm 220K ohm 18K ohm 3K3 ohm 10K ohm

REF. NO.	PARTS NO.	DESCRIPTION	
	-CAPCITIORS-		
C401,C501 C402,C502 C403,C503 C404,C504 C405,C505 C406,C506 C407,C507 C408,C508 C409,C509 C410,C510 C411,C511 C412,C512 C413,C513	ELC04U7025R35 ELC100U010R34 CRC0010050RK4 ELC04U7025R35 PECU033050RJ2 PECU033050RJ2 PEC3300050RJ8 PEC3300050RJ8 PEC4700050RJ6 ELC04U7025R35 PEC6800050RJ4 PEC0U01050RJ8 PECU033050RJ2 ELC047U016R37	Elec. 4.7u 25V Elec. 100u 10V Ceramic 10P 50V Elec. 4.7u 25V Mylar 0.033u 50V Mylar 0.033u 50V Mylar 0.0033u 50V Mylar 0.0033u 50V Mylar 0.005u 50V Elec. 4.7u 25V Mylar 0.0068u 50V Mylar 0.01u 50V Mylar 0.033u 50V Mylar 0.01u 50V Mylar 0.033u 50V	
	-VARIABLE RESI	STORS-	
VR503,VR504 VR505	RVR100K25BE27 RVR100K25AT26	100KBx2 100KAx2	
	-MISCELLANEOUS	5-	
	PHSSUF12AE157 PRL11002403P4	Push Switch . Connector 3Px110 m/m	
SWITCH PCB AS	SY S-A117(C2)		
DW11011			
	PARTS NO.	DESCRIPTION	
	PARTS NO.	SWITCH PCB ASSY	
REF. NO.	PARTS NO. PCBS*0A117C24 PCBS*0A117C24	SWITCH PCB ASSY SWITCH PCB	
REF. NO.	PARTS NO. PCBS*0A117C24 PCBS*0A117C24	SWITCH PCB ASSY SWITCH PCB TORS- + 5% tolerance and 1/4W	
REF. NO.	PARTS NO. PCBS*0A117C24 PCBS*0A117C24 -CARBON RESIS	SWITCH PCB ASSY SWITCH PCB TORS- + 5% tolerance and 1/4W 100 ohm	
REF. NO.	PARTS NO. PCBS*0A117C24 PCBS*0A117C24 -CARBON RESIS stors are rated CBR100R0W4TJ4	SWITCH PCB ASSY SWITCH PCB TORS- + 5% tolerance and 1/4W 100 ohm S- Mylar 0.01u 50V Connector 5Px110 Connector 3Px170	
REF. NO. All resi	PARTS NO. PCBS*0A117C24 PCBS*0A117C24 -CARBON RESIS stors are rated CBR100R0W4TJ4 -MISCELLANEOU PEC0U01050RJ8 PRL10002405P9 PRL17002403P7	SWITCH PCB ASSY SWITCH PCB TORS- + 5% tolerance and 1/4W 100 ohm S- Mylar 0.01u 50V Connector 5Px110 Connector 3Px170	
REF. NO. All resi	PARTS NO. PCBS*0A117C24 PCBS*0A117C24 -CARBON RESIS stors are rated CBR100R0W4TJ4 -MISCELLANEOU PEC0U01050RJ8 PRL10002405P9 PRL17002403P7	SWITCH PCB ASSY SWITCH PCB TORS- + 5% tolerance and 1/4W 100 ohm S- Mylar 0.01u 50V Connector 5Px110 Connector 3Px170	
REF. NO. All resi	PARTS NO. PCBS*0A117C24 PCBS*0A117C24 -CARBON RESIS stors are rated CBR100R0W4TJ4 -MISCELLANEOU PEC0U01050RJ8 PRL10002405P9 PRL17002403P7	SWITCH PCB ASSY SWITCH PCB TORS- + 5% tolerance and 1/4W 100 ohm S- Mylar 0.01u 50V Connector 5Px110 Connector 3Px170	
REF. NO. All resi	PARTS NO. PCBS*0A117C24 PCBS*0A117C24 -CARBON RESIS stors are rated CBR100R0W4TJ4 -MISCELLANEOU PEC0U01050RJ8 PRL10002405P9 PRL17002403P7	SWITCH PCB ASSY SWITCH PCB TORS- + 5% tolerance and 1/4W 100 ohm S- Mylar 0.01u 50V Connector 5Px110 Connector 3Px170 Slide Switch	
REF. NO. All resi	PARTS NO. PCBS*0A117C24 PCBS*0A117C24 -CARBON RESIS stors are rated CBR100R0W4TJ4 -MISCELLANEOU PEC0U01050RJ8 PRL10002405P9 PRL17002403P7	SWITCH PCB ASSY SWITCH PCB TORS- + 5% tolerance and 1/4W 100 ohm S- Mylar 0.01u 50V Connector 5Px110 Connector 3Px170	

TONE AMP PCB A	SSY T-A110(B2)	
REF. NO.	PARTS NO.	DESCRIPTION
	PCBT*0A110B24 PCBT*0A110B24	TONE AMP PCB ASSY TONE AMP PCB
	-VARIABLE RESI	STIORS-
	RVR250K25MC20 RVR100K18AZ11	
SWITCH PCB ASS	SY S-A117(B2)	
REF. NO.	PARTS NO.	DESCRIPTION
	PCBS*0A117B24 PCBS*0A117B24	SWIITCH PCB ASSY SWITCH PCB
	-MTEAL FILMM R	ESISTORS-
R108,R109	MTR330R01WTJ4 PHSSUF21CE115	
FUNCTION SWITC	CH PCB ASSY S-A1	17(A2)
'REF. NO.	PARTS NO.	DESCRIPTION
	PCBS*0A117A24	FUNCTION SWITCH PCB ASSY FUNCTION SWITCH PCB
All resis	-CARBON RESIST	ORS- + 5% tolerance and 1/4W
	CBR010K0W4TJ8 CBR047R0W4TJ8	
	-MISCELLANEOUS	-
	PRL17002405P7,	Wafer Connector 8P Connector 5Px130 Connector 6Px170
FUNCTION LED P	CB ASSY L-A113(A2)
REF. NO.	PARTS NO.	DESCRIPTI()N
D-901-D906	PCBL*0A113A26 LED050020GS*7 PRL11002403P4	FUNCTION LED PCB ASSY FUNCTION LED PCB LED 2x5 Green Connector 3Px110 Connector 5Px110 Washer

POWER	T.ED	PCB	ASSY	L-A1	13	(B2)
POWER	עםע	PCB	ASSI	T-WI	10	

REF. NO. PARTS NO.

DESCRIPTION

PCBL*0A113B26 POWER LED PCB ASSY

PCBL*0A113B26 POWER LED PCB

-MISCELLANEOUS-

LED050020RS*7 LED 2x5 Red GSKKB0194B*5* Washer

SCECT2606YC*4 Screw CRTS 2.6x6

POWER SWITCH PCB ASSY

REF. NO.

PARTS NO. DESCRIPTION

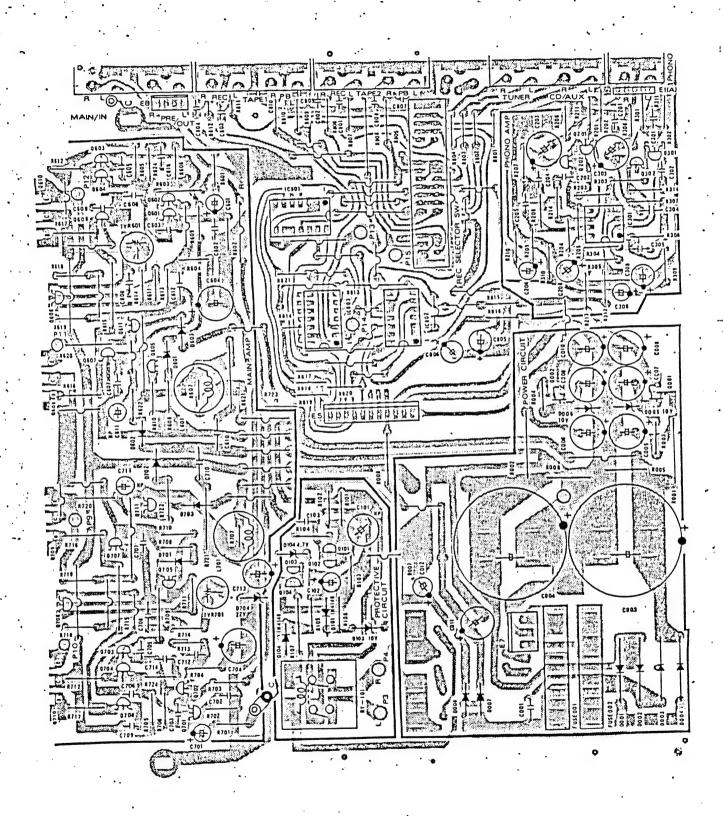
POWER SWITCH PCB ASSY POWER SWITCH PCB

-MISCELLANEOUS-

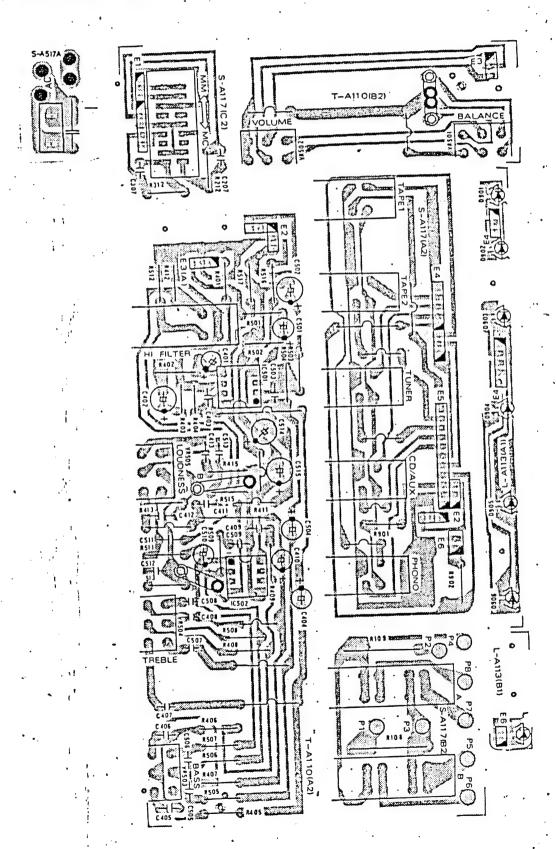
CRCOP0101KRZ1 Ceramic 0.01u 1000V

PWSESB82131*1 Power Switch

SCECT2606YC*4 Screw CRTS 2.6x6



TONE AMP PCB T-A110(A2,B2)
FUNCTION SWITCH PCB S-A117(A2)
SWITCH PCB S-A117(B2,C2)
FUNCTION LED PCB L-A113(A1)
POWER LED PCB L-A113(B1)
POWER SWITCH PCB S-A517A



A-X55

EIA

Power Output*55 watts per channel minimum RMS, both channels driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.05 % total harmonic distortion Both Channels Driven into 8 ohms at 1 kHz 145 W + 145 W Dynamic Power Output into 4 ohms 110 W + 110 W Total Harmonic Distortion (20 Hz to 20,000 Hz) AUX input to SPEAKER output 0.05 % at rated power into 8 ohms aping Factor 50, at 50 Hz Transient Response Rise Time 1.2 µs Rise Time 1.2 µs
Frequency Response 5 Hz to 40 kHz $^{0}_{-3}$ dB Speaker Impedance Accept 8 ohms to 16 ohms Input Sensitivity/Impecande Phono MM 2.7 mV/47 k ohms Phono MC 0.24 mV/95 ohms Tuner, CD/AUX, Tape 1/2 120 mV/ 47 k ohms Signal-to-Noise Ratio (IEC-A) Phone MM 75 dB for 2.7 mV input Phona MC 65 dB for 0.24 mV input Tuner, CD/AUX, Tape 1/2 94 dB Maximum Input Level for Phono MM 100 mV (RMS), T.H.D 0.05 % at 1 kHz MC 4 mV (RMS), T.H.D. 0.05 % at 1 kHz Output Level/Impedance Tape Rec 1/2 90 mV/100 k ohms Pre Out 1000 mV/47 k ohms Trequency Response for Phono RIAA standard cure ±0.5 dB (20 Hz to 20,000 Hz) Tone Control Bass ±12 dB at 100 Hz Treble ±12 dB at 10,000 Hz Loudness Control -2.5/-6/-9 dB at 100 Hz/10 kHz/1 kHz High 10 kHz, -6 dB [General]

Power Requirements 110/220V AC, 50/60 Hz, 240 W (General Export) 120 V AC, 60 Hz, 220 W (USA/Canada) 220 V AC, 50 Hz, 240 W (Europe) 240 V AC, 50 Hz, 240 W (UK/Australia) Dimensions (W x H x D) 435 x 80 x 295 mm (17-1/8" x 3-3/16" x 11-5/8") Weight (net) 7.6 kg (16.72 lbs.)

Puissance de sortie* 55 W minimum RMS par canal, les deux canaux sous 8 ohms de 20 Hz à 20.000 Hz avec pas plus de 0,05 % de distorsion harmonique totale. Les deux canaux sous 8 ohms à 1 kHz 145 W + 145 W Puissance dynamique sous 4 ohms 110 W + 110 W Distorsion harmonique totale (20 Hz à 20.000 Hz) De l'entrée AUX à la sortie SPEAKER 0,05 % à puissance nominale sous 8 ohms Coefficient d'amortissement 50, à 50 Hz Réponse transitoire Temps de montrée 1,2 μs Réponse en fréquence 5 Hz à 40 kHz 2 dB Impédance des haut-parleurs 8 à 16 ohms Sensibilité d'entrée/Impédance Phono MM 2,7 mV/47 kohms Phono MC 0,24 mV/95 ohms Tuner, CD/AUX, Tape 1/2 120 mV/ 47 kohms Rapport signal/bruit (IEC-A) Phono MM 75 dB pour 2,7 mV en entrée Phono MC 65 dB pour 0,24 mV en entrée Tuner, CD/AUX, Tape 1/2 94 dB Niveau d'entrée maximal pour phono MM 100 mV (RMS), DHT 0,05 % à 1 kHz MC 4 mV (RMS), DHT 0,05 % à 1 kHz Niveau de sortie/impédance Tape Rec 1/2 90 mV/100 kohms Sortie préampli 1000 mV/47 kohms Réponse en fréquence pour phono Courbe standard RIAA ±0,5 dB (20 Hz à 20.000 Hz) Commande de tonalité Graves ±10 dB à 100 Hz Aigus ±12 dB à 10.000 Hz Commande de contour -2,5/-6/-9 dB à 100 Hz/10 kHz/1 kHz Filtre Haut 10 kHz, -6 dB [Générales] Alimentation 110/220 V CA, 50/60 Hz,

240 W (Exportation générale) 120 V CA, 60 Hz, 220 W (Etats-Unis/Canada) 220 V CA, 50 Hz, 240 W (Europe) 240 V CA, 50 Hz, 240 W (Royaume-Uni/Australie) Dimensions (L x H x P) 435 x 80 x 295 mm Poids (net) 7,6 kg

Nennausgangsleistung * 55 Watt pro kanal min. eff., beide Kanäle an 8 Ohm von 20 Hz bis 20.000 Hz, bei max. 0.05 % Klirrfaktor Beide Kanäle ean 8 Ohm bei 1 kHz 145 W + 145 W Musikleistung an 4 Ohm 110 W + 110 W Klirrfaktor (20 Hz bis 20.000 Hz) AUX-Eingang zu Lautsprecherausgang 0,05 % bei Nennleistung an 8 Ohm

Dämpfungsfaktor 50, bei 50 Hz Einschwigverhalten Anstiegszeit 1,2 µs Frequenzgang 5 Hz bis 40 kHz 0/-3 dB Lautsprecherimpendans 8 bis 16 0hm Eingangsempfindlichkeit/-impedanz Phono MM 2,7 mV/47 kOhm Phono MC 0.24 mV/95 Ohm

Tuner, CD/AUX, Tape 1/2 120 mV/ 47 kOhm Signal/Rauschabstand (IEC-A) Phono MM 75 dB für 2,7 mV Eingang Phono MC 65 dB für 0,24 mV Eingang Tuner, CD/AUX, Tape 1/2 94 dB

Max. Phono-Eingangspegel MM 100 mV (eff.), 0,05 % Klirrfaktor bei 1 kHz

MC 4 mV (eff.), 0,05 % Klirrfaktor bei 1 kHz

Ausgangspegel/-impedanz Tape Rec 1/2 90 mV/100 k0hm Pre Out 1.000 mV/47 kOhm Frequenzgang für Phono RIAA-Standardkurve +/- 0,5 dB (20 hz bis 20.000 Hz)

Klangregelung Bass +/-12 dB bei 100 Hz Treble +/-12 dB bei 10.000 Hz

Loudness-Regelung -2,5/-6/-9 dB bei 100 Hz/10 kHz/1 kHz

High 10 kHz, -6 dB

Gewicht (netto) 7,6 kg

[Allgemein] Spannungsversorgung 110/220 V Wechselstrom, 50/60 Hz, 240 W (Allgemeines Exportmodell) 120 V Wechselstrom, 60 Hz, 220 W (USA/Kanada) 220 V Wechselstrom, 50 Hz, 240 W (Europa) 240 V Wechselstrom, 50 Hz, 240 W (Großbritannien/Australien) Abmessunen (B x H x T)435 x 80 x 295 mm

- Measured pursuant to Federal Trade Commission's Trade Regulation rule on Power Output Claim for Amplifier in U.S.A.
- · Mesure conforme à la réglementation de la commission fédérale du commerce (FTC) pour la définition de la puissance de sortie des amplificateurs aux Etats-Unis.

IEC

[Power Amplifier Section]

Rated Power Output 8 ohms at 20 Hz to 20,000 Hz no more than 0.05 % THD (FTC) 55 W + 55 W 4 ohms at 63 Hz to 12,500 Hz no more than 0.7-%-T-HD-(IEC/NF) 65 W + 65 W **Total Harmonic Distortion** Rated Power Output into 8 ohms 0.05 %

Frequency Response

5 Hz - 40 kHz 0 dB

S/N Weighted: Rated Output Power (IEC-A) () = Unweighted_at_50_mW (DIN) Phono MM 75 dB (71 dB) Phono MC 65 dB (55 dB) Tuner, CD/AUX, Tape 1/2 94 dB (82 dB) Damping Factor at 8 ohms, 50 Hz 50 Transient Response Rise Time 1.2 µs

Input Sensitivity/Impedance Phono MM 2.7 mV/47 k ohms Phono MC 0.24 mV/95 ohms Tuner, CD/AUX, Tape 1/2 120 mV/ 47 k ohms

Tone Control Bass 100 Hz, ±12 dB Treble 10,000 Hz, ±12 dB Loudness Control (-30 dB) -2.5/-6/-9 dB at 100 Hz/10 kHz/1 kHz

High 10 kHz, -6 dB [General]

Power Consumption IEC 240 W Dimensions (W x H x D) 435 x 80 x 295 mm Weight (net) 7.6 kg

[Partie amplificateur de puissance]

Puissance de sortie nominale 8 ohms de 20 Hz à 20.000 Hz pas plus de 0,05 % de DHT (FTC) 55 W + 55 W 4 ohms de 63 Hz à 12.500 Hz pas plus de 0,7 % de DHT (IEC/NF) 65 W + 65 W

Distorsion harmonique totale Puissance de sortie nominale sous 8 ohms 0,05 %

Réponse en fréquence 5 Hz - 40 kHz 0 dB S/B pondéré: puissance de sortie nominale

) = Non pondéré à 50 mW (DIN) Phono MM 75 dB (71 dB) Phono MC 65 dB (55 dB)

Tuner, CD/AUX, Tape 1/2 94 dB (82 dB)

Coefficient d'amortissement sous 8 ohms, 50 Hz 50

Réponse transitoire Temps de montée 1,2 µs Sensibilité d'entrée/Impédance Phono MM 2,7 mV/47 kohms Phono MC 0,24 mV/95 ohms Tuner, CD/AUX, Tape 1/2 120 mV/ 47 kohms

Commande de tonalité Graves 100 Hz, ± 12 dB Aigus 10.000 Hz, ±12 dB

Commande de contour (-30 dB) -2,5/-6/-9 dB à 100 Hz/10 kHz/1 kHz

Haut 10 kHz, -6 dB

Filter

[Générales]

Consommation (IEC) 240 W Dimensions (L x H x P) 435 x 80 x 295 mm Poids (net) 7,6 kg

[Leistungsverstärkerteil]

Nennausgangsleistung 8 Ohm bei 20 Hz bis 20.000 Hz max. 0,05 % Klirfaktor (FTC) 55 W + 55 W 4 Ohm bei 63 Hz bis 12.500 Hz

max. 0,7 % Klirrfaktor (IEC/NF) 65 W + 65 W Klirrfaktor

Gewichtete Ausgangsleistung an 8 Ohm 0.05 % Frequenzgang 5 Hz - 40 kHz 0/-3 dB

Signal/Rauschabstand Gewichtet: Nenn-Ausgangsleistung (IEC-A) = Ungewichtet bei 50 mW (DIN)

Phono MM 75 dB (71 dB) Phono MC 65 dB (55 dB)

Tuner, CD/AUX, tape 1/2 94 dB (82 dB) Dämpfungsfaktor bei 8 Ohm, 50 Hz 50 Ansprechverhalten

Anstiegszeit 1,2 µs Eingangsempfindlichkeit/-impedanz Phono MM 2,7 mV/47 kOhm Phono MC 0.24 mV/95 Ohm

Tuner, CD/AUX, Tape 1/2 120 mV/ 47 k0hm

Klangregelung Bass +/- 12 dB bei 100 Hz Treble +/-12 dB bei 10.000 Hz Loudness-Regelung (bei - 30 dB

Lautstärkepegel) -2,5/-6/-9 dB bei 100 Hz/10 kHz/1 kHz

Filter High 10 kHz, -6 dB

[Allgemein]

Leistungsaufnahme 240 W Abmessungen (B x H x T) 435 x 80 x 295 mm Gewicht (netto) 7,6 kg

